BELDEN
SENDING ALL THE RIGHT SIGNALS
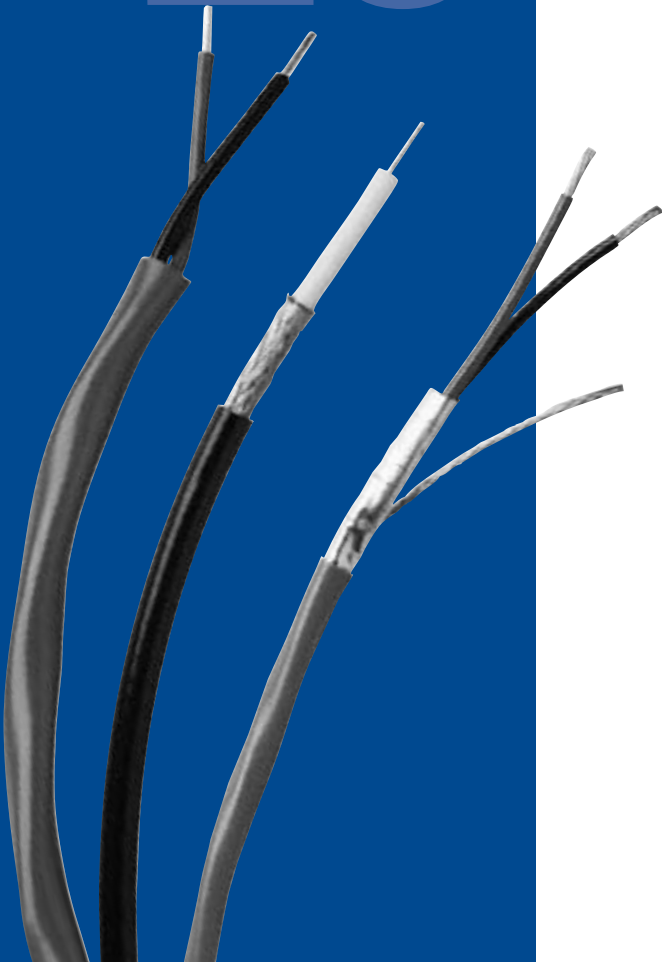
NEW GENERATION®

20 New Generation® Cables

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Sound, Security and Alarm Cables
Introduction

NEW GENERATION®

Market needs are continually challenging the limits of cable technology. And nowhere is the demand for uncompromising quality and leading-edge technology more critical than in sound and security applications.

Belden's answer to this challenge is a line of low voltage, electronic cables that provide the selection, imagination, technical expertise and quality required to meet the demands of increasingly complex sound and security systems. We call this line New Generation.

Unmatched Selection, Quality And Service

Our New Generation cable line includes one of the largest, most economical, and up-to-date selections of reliable multi-conductor and coaxial products on the market today. A full complement of cables for sound, control, computer interconnect, alarm, security, CCTV and other security applications is offered. And behind every one of these cables is years of research and development and Belden's unequaled reputation for quality and service.

Most of our New Generation cables are available from stock. Many of these are available off the shelf from distributors. If you have a new or unusual application or you cannot find a New Generation cable in this catalog section that meets your technical requirements, contact Technical Support at 1-800-BELDEN-1.

Innovative and Advanced Cables

For over 90 years, Belden has been committed to the development and support of highly effective cabling solutions. With Belden® New Generation cable products, you can be assured that you're getting the most innovative and advanced cables available today. Here are a few examples of our commitment to making our cables not only work better but also better to work with:

- Sequential footage markings on the cable jacket quickly eliminate guesswork and waste.

- The cables are predominantly NEC Riser Rated (CMR and FPLR) or above to meet even unusually stringent application conditions. All Belden CM, CMR and CMP types are both UL and C(UL) approved.

- A rip cord underneath the jacket provides for easy removal at installation.

- Easy set-up and easy-pulling, space-saving, tangle-free coil packages available for many codes. These revolutionary coil packages vastly reduce job clean-up and waste removal as well.

- Water-blocked options for multi-conductor cables and for coax — where security, surveillance and fire alarm cables are installed in intermittently wet environments.

- Our Banana Peel® Composite Cables are designed for easier and faster installation than traditional composite cables. They offer no overall jacket which eliminates the stripping of the jacket, individual cable components that are all instantly identifiable, a smaller OD, breakout versatility, prevention of short circuits caused by contact with the center conductor while stripping the outer jacket, and color-coded individual cables by application for easy identification.

- Our New Generation Safe-T-Line® Cables for Circuit Integrity meet Article 760 of the National Electrical Code for Fire-Alarm Circuit Integrity (CI) cable, the National Fire Alarm Code (NFPA 72) requirements for survivability; UL Standard 1424 — Cables for Power-limited Fire Alarm Circuits, and UL Standard 2196 — Circuit Integrity Two-hour Flame Test.

Quality You Can Count On

A system failure, or loss of continuity, can be catastrophic. That's why you need a cable that is recognized the world over for its quality. And that cable is a Belden cable. All of our New Generation cables are designed with quality as a top priority. Belden was the first major designer and manufacturer of electronic wire and cable products to earn ISO 9001:2000 registration for all its domestic and overseas facilities. In achieving total ISO 9001:2000 registration; United States' Belden passed some of

the United States' and Europe's most rigorous tests for quality and, once again, demonstrated the company's dedication to total quality.

New Generation Cable Packaging

UnReel® Dispenser

As with most Belden cables, several New Generation cable products are available in Belden's UnReel cardboard dispenser. The UnReel is a unique packaging dispensing system developed by Belden to save time and labor compared to spools, and eliminate the need for dereeling equipment. Lightweight and more economical than conventional drums or reels, UnReel dispensers have pre-punched handles for easy, individual transport as well as rectangular boxes for easy pallet delivery and storage. UnReel cable pays out smoothly and evenly with less kinking, twisting or backlashing. It also rolls out 60% faster than cable from spools or reels.

Revolutionary Coil Package

New this year, certain New Generation cables are available in a coil package. These revolutionary coils are an easy-to-handle standard package size so pallet loading is uniform. In addition, this densely packaged coil results in less space requirements for your wire, saving shelf space, truck space and cage space at the job. Plus, with no box and no spool, there is far less waste and clean-up required after the job.

Coils are the most tangle-proof package available. And, because the wire pulls from the middle you only have to pull the weight of the length of wire that is your distance from the coil. In pulling spools, you are always pulling the *whole package* weight to get it spinning. And with spools, when you stop pulling, the spool doesn't stop spinning. Help is required to stop this from happening and to keep the payouts tangle free. With coils, that help can be doing something more productive. What's more, five coils may be stacked and pulled in parallel through their common center.

So ask for New Generation's coil package, and leave reel jacks and payout stands behind along with any worries about wet boxes or discarding of empty boxes.

Sound, Security and Alarm Cables
Cable Finder Guide — By Construction
Paired and Multiconductor

AWG Size	No. of Cond. or Pairs	Stranding	Non-Shielded						Shielded					
			Non-Plenum			Plenum			Non-Plenum			Plenum		
			Part No.	Rating	Page No.	Part No.	Rating	Page No.	Part No.	Rating	Page No.	Part No.	Rating	Page No.
Paired														
18	2 PR	7	5341UE	CMR	20.15	6341UE	CMP	20.25	5341FE	CMR	20.16	—	—	—
	3 PR	7	5342UE	CMR	20.15	6342UE	CMP	20.25	5342FE	CMR	20.16	6342FE	CMP	20.26
	4 PR	7	5343UE	CMR	20.15	6343UE	CMP	20.25	5343FE	CMR	20.16	6343FE	CMP	20.26
	6 PR	7	5345UE	CMR	20.15	6345UE	CMP	20.25	5345FE	CMR	20.16	6345FE	CMP	20.26
	9 PR	7	5347UE	CMR	20.15	6347UE	CMP	20.25	—	—	—	6347FE	CMP	20.26
20	2 PR	7	—	—	—	—	—	—	5441FE	CMR	20.16	6441FE	CMP	20.26
	3 PR	7	—	—	—	—	—	—	5442FE	CMR	20.16	—	—	—
	4 PR	7	—	—	—	—	—	—	—	—	—	6443FE	CMP	20.26
	6 PR	7	—	—	—	—	—	—	5445FE	CMR	20.16	—	—	—
22	2 PR	Solid	—	—	—	6561UE	CMP	20.25	5561FE	CMR	20.16	6561FE	CMP	20.26
	2 PR	7	5541UE	CMR	20.15	6541UE	CMP	20.25	5541FE	CMR	20.16	6541FE	CMP	20.26
	3 PR	Solid	—	—	—	—	—	—	5562FE	CMR	20.16	—	—	—
	3 PR	7	5542UE	CMR	20.15	6542UE	CMP	20.25	5542FE	CMR	20.16	6542FE	CMP	20.26
	4 PR	Solid	—	—	—	—	—	—	5563FE	CMR	20.16	—	—	—
	4 PR	7	5543UE	CMR	20.15	6543UE	CMP	20.25	5543FE	CMR	20.16	6543FE	CMP	20.26
	6 PR	7	—	—	—	6545UE	CMP	20.25	5545FE	CMR	20.16	6545FE	CMP	20.26
	9 PR	7	5547UE	CMR	20.15	6547UE	CMP	20.25	—	—	—	6547FE	CMP	20.26
Shielded Twisted Pairs														
22	4 STP	7	—	—	—	—	—	—	5543PE	CMR	20.17	—	—	—
Combination Pairs + Conductors														
18	1STP +2/C	7	—	—	—	—	—	—	5302GE	CMR	20.18	—	—	—
20	1STP +1/C	7	—	—	—	—	—	—	5401GE	CMR	20.18	6401GE	CMP	20.27
	1STP +2/C	7	—	—	—	—	—	—	5402GE	CMR	20.18	—	—	—
22	1STP +1/C	7	—	—	—	—	—	—	5501GE	CMR	20.18	6501GE	CMP	20.27
	1STP +2/C	7	—	—	—	—	—	—	5502GE	CMR	20.18	6502GE	CMP	20.27
	1STP +2TP	7	—	—	—	—	—	—	5542GE	CMR	20.18	—	—	—
Water-blocked														
18	2/C	7	5300U1	CM	20.14	—	—	—	5300F1	CM	20.14	—	—	—
20	2/C	7	—	—	—	—	—	—	5400F1	CM	20.14	—	—	—
22	2/C	7	—	—	—	—	—	—	5500F1	CM	20.14	—	—	—
	1STP +1/C	Solid	—	—	—	—	—	—	5521G1	CM	20.19	—	—	—
	1STP +1/C	7	—	—	—	—	—	—	5501G1	CM	20.19	—	—	—
	1STP +2/C	Solid	—	—	—	—	—	—	5522G1	CM	20.19	—	—	—
	1STP +2/C	7	—	—	—	—	—	—	5502G1	CM	20.19	—	—	—
	1STP +4/C	7	—	—	—	—	—	—	5504G1	CM	20.19	—	—	—

STP = Shielded Twisted Pair(s) • TP = Twisted Pair(s) • PR = Pair(s) • /C = Conductor(s)

20 • New Generation® Cables

Sound, Security and Alarm Cables
Cable Finder Guide — By Application

AWG Size	No. of Cond.	Stranding	Non-Shielded						Shielded					
			Non-Plenum			Plenum			Non-Plenum			Plenum		
			Part No.	Rating	Page No.	Part No.	Rating	Page No.	Part No.	Rating	Page No.	Part No.	Rating	Page No.
Security, Alarm, Commercial Audio and Speaker														
12	2	19	5000UE	CL3R	20.11/65	6000UE	CL2P	20.22/68	5000FE	CL3R	20.13/67	6000FE	CL2P	20.24/69
	3	19	5001UE	CL3R	20.11/65	6001UE	CL2P	20.22/68	—	—	—	—	—	—
	4	19	—	—	—	6002UE	CL2P	20.22	—	—	—	—	—	—
14	2	19	5100UE	CL3R	20.11/65	6100UE	CL2P	20.22/68	5100FE	CL3R	20.13/67	6100FE	CL2P	20.24/69
	3	19	5101UE	CL3R	20.11/65	6101UE	CL2P	20.22/68	5101FE	CL3R	20.13/67	6101FE	CL2P	20.24/69
	4	19	5102UE	CL3R	20.11	6102UE	CL2P	20.22	—	—	—	—	—	—
16	2	19	5200UE	CMR	20.10/65	6200UE	CMP	20.21/68	5200FE	CMR	20.13/67	6200FE	CMP	20.24/69
	3	19	5201UE	CMR	20.10/65	6201UE	CMP	20.21/68	5201FE	CMR	20.13/67	6201FE	CMP	20.24/69
	4	19	5202UE	CMR	20.10	6202UE	CMP	20.21	5202FE	CMR	20.13	6202FE	CMP	20.24
	7	19	5205UE	CMR	20.10	—	—	—	—	—	—	—	—	—
18	2	Solid	5320UE	CMR	20.10/65	6320UE	CMP	20.21/68	5320FE	CMR	20.13/67	6320FE	CMP	20.24/69
	2	7	5300UG	CM	20.8	6300UE	CMP	20.21/68	5300FE	CMR	20.13/67	6300FE	CMP	20.24/69
	2	7	5300UE	CMR	20.10/65	—	—	—	—	—	—	—	—	—
	3	Solid	5321UE	CMR	20.10/65	6321UE	CMP	20.21/68	—	—	—	—	—	—
	3	7	5301UE	CMR	20.10/65	6301UE	CMP	20.21/68	5301FE	CMR	20.13/67	6301FE	CMP	20.24/69
	4	Solid	5322UE	CMR	20.10	6322UE	CMP	20.21	—	—	—	—	—	—
	4	7	5302UE	CMR	20.10	6302UE	CMP	20.21	5302FE	CMR	20.13	6302FE	CMP	20.24
	5	7	5303UE	CMR	20.10	6303UE	CMP	20.21	5303FE	CMR	20.13	—	—	—
	6	7	5304UE	CMR	20.10	6304UE	CMP	20.21	5304FE	CMR	20.13	6304FE	CMP	20.24
	7	7	5305UE	CMR	20.10	—	—	—	5305FE	CMR	20.13	—	—	—
	8	7	5306UE	CMR	20.10	6306UE	CMP	20.21	5306FE	CMR	20.13	6306FE	CMP	20.24
	9	7	5307UE	CMR	20.10	6307UE	CMP	20.21	5307FE	CMR	20.13	6307FE	CMP	20.24
	10	7	5308UE	CMR	20.10	6308UE	CMP	20.21	—	—	—	—	—	—
	12	7	5309UE	CMR	20.10	6309UE	CMP	20.21	—	—	—	6309FE	CMP	20.24
	20	7	530BUE	CMR	20.10	—	—	—	—	—	—	—	—	—
20	2	Solid	—	—	—	—	—	—	—	—	—	6420FE	CMP	20.23/69
	2	7	5400UE	CMR	20.9/65	6400UE	CMP	20.20/68	5400FE	CMR	20.12/67	6400FE	CMP	20.23/69
	3	Solid	—	—	—	—	—	—	5421FE	CMR	20.67	—	—	—
	3	7	5401UE	CMR	20.9/65	6401UE	CMP	20.20/68	5401FE	CMR	20.12/67	6401FE	CMP	20.23/69
	4	7	5402UE	CMR	20.9	6402UE	CMP	20.20	5402FE	CMR	20.12	6402FE	CMP	20.23
	5	7	5403UE	CMR	20.9	6403UE	CMP	20.20	5403FE	CMR	20.12	—	—	—
	7	7	5405UE	CMR	20.9	—	—	—	5405FE	CMR	20.12	6405FE	CMP	20.23
	8	7	5406UE	CMR	20.9	6406UE	CMP	20.20	—	—	—	—	—	—
	9	7	5407UE	CMR	20.9	—	—	—	5407FE	CMR	20.12	6407FE	CMP	20.23
	10	7	5408UE	CMR	20.9	—	—	—	—	—	—	—	—	—
	12	7	5409UE	CMR	20.9	—	—	—	—	—	—	—	—	—
	20	7	540BUE	CMR	20.9	—	—	—	—	—	—	—	—	—
22	2	Solid	5520UG	CM	20.8/28	—	—	—	—	—	—	—	—	—
	2	Solid	5520UE	CMR	20.9/65	6520UE	CMP	20.20/68	5520FE	CMR	20.12/67	6520FE	CMP	20.23/69
	2	7	5500UG	CM	20.8	6500UE	CMP	20.20/68	5500FE	CMR	20.12/67	6500FE	CMP	20.23/69
	2	7	5500UE	CMR	20.9/65	—	—	—	—	—	—	—	—	—
	3	Solid	—	—	—	6521UE	CMP	20.20/68	5521FE	CMR	20.12/67	6521FE	CMP	20.23/69
	3	7	5501UE	CMR	20.9/65	6501UE	CMP	20.20/68	5501FE	CMR	20.12/67	6501FE	CMP	20.23/69
	4	Solid	5582UG	CM	20.8	—	—	—	—	—	—	—	—	—
	4	Solid	5522UG	CM	20.8/28	—	—	—	—	—	—	—	—	—
	4	Solid	5522UE	CMR	20.9	6522UE	CMP	20.20	—	—	—	—	—	—
	4	Solid	5582UE	CMR	20.9	—	—	—	—	—	—	—	—	—
	4	7	5502UG	CM	20.8	6502UE	CMP	20.20	5502FE	CMR	20.12	6502FE	CMP	20.23
	4	7	5502UE	CMR	20.9	—	—	—	—	—	—	—	—	—
	5	7	5503UE	CMR	20.9	—	—	—	5503FE	CMR	20.12	—	—	—
	6	Solid	5524UE	CMR	20.9	6524UE	CMP	20.20	—	—	—	—	—	—
	6	7	5504UE	CMR	20.9	6504UE	CMP	20.20	5504FE	CMR	20.12	6504FE	CMP	20.23
	8	Solid	5526UE	CMR	20.9	—	—	—	—	—	—	—	—	—
	8	7	5506UE	CMR	20.9	6506UE	CMP	20.20	5506FE	CMR	20.12	6506FE	CMP	20.23
	10	7	5508UE	CMR	20.9	6508UE	CMP	20.20	5508FE	CMR	20.12	6508FE	CMP	20.23
	12	Solid	5529UE	CMR	20.9	—	—	—	—	—	—	—	—	—
	12	7	5509UE	CMR	20.9	6509UE	CMP	20.20	—	—	—	—	—	—

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			Non-Plenum			Plenum			Non-Plenum			Plenum		
			Part No.	Rating	Page No.	Part No.	Rating	Page No.	Part No.	Rating	Page No.	Part No.	Rating	Page No.
Security, Alarm, Commercial Audio and Speaker *(continued)*														
24	2/C	7	—	—	—	—	—	—	5600FE	CMR	20.12/67	—	—	—
	6/C	Solid	5624UG	CM	20.28/71	6624UG	CM	20.29/72	—	—	—	—	—	—
	8/C	Solid	5626UG	CM	20.28/71	6626UG	CM	20.29/72	—	—	—	—	—	—
	3 PR	Solid	5662UG	CM	20.28/71	6662UG	CM	20.29/72	—	—	—	—	—	—
Pro Audio Plenum, Lower Capacitance														
18	2/C	7	—	—	—	—	—	—	—	—	—	6300FC	CMP	20.30/70
	4/C	7	—	—	—	—	—	—	—	—	—	6302FC	CMP	20.30/70
	2 STP	7	—	—	—	—	—	—	—	—	—	6341PC	CMP	20.32
	3 STP	7	—	—	—	—	—	—	—	—	—	6342PC	CMP	20.32
	4 STP	7	—	—	—	—	—	—	—	—	—	6343PC	CMP	20.32
	6 STP	7	—	—	—	—	—	—	—	—	—	6345PC	CMP	20.32
20	2/C	7	—	—	—	—	—	—	—	—	—	6400FC	CMP	20.30/70
22	2/C	7	—	—	—	—	—	—	—	—	—	6500FC	CMP	20.30/70
	4/C	7	—	—	—	—	—	—	—	—	—	6502FC	CMP	20.30/70
	2 STP	7	—	—	—	—	—	—	—	—	—	6541PA	CMP	20.32
	3 STP	7	—	—	—	—	—	—	—	—	—	6542PA	CMP	20.32
	4 STP	7	—	—	—	—	—	—	—	—	—	6543PA	CMP	20.32
	6 STP	7	—	—	—	—	—	—	—	—	—	6545PA	CMP	20.32
	8 STP	7	—	—	—	—	—	—	—	—	—	6546PA	CMP	20.32
	12 STP	7	—	—	—	—	—	—	—	—	—	6548PA	CMP	20.32
	16 STP	7	—	—	—	—	—	—	—	—	—	6549PA	CMP	20.32
24	2 TP*	7	—	—	—	—	—	—	—	—	—	6641FC	CMP	20.31
High-Strand Speaker Cable														
10	2/C	65	5T00UP	CL2	20.66	6T00UP	CL2P	20.68	—	—	—	—	—	—
12	2/C	65	5000UP	CL3	20.66	—	—	—	—	—	—	—	—	—
	4/C	65	5002UP	CL3	20.66	—	—	—	—	—	—	—	—	—
14	2/C	42	5100UP	CL3	20.66	—	—	—	—	—	—	—	—	—
	4/C	42	5102UP	CL3	20.66	—	—	—	—	—	—	—	—	—
16	2/C	65	5200UP	CM	20.66	—	—	—	—	—	—	—	—	—
	4/C	65	5202UP	CM	20.66	—	—	—	—	—	—	—	—	—
18	2/C	42	5300UP	CM	20.66	—	—	—	—	—	—	—	—	—
	4/C	42	5302UP	CM	20.66	—	—	—	—	—	—	—	—	—
Fire Alarm														
12	2/C	Solid	5020UL	FPLR	20.55	6020UL	FPLP	20.59	5020FL	FPLR	20.56	6020FL	FPLP	20.59
14	2/C	Solid	5120UL	FPLR	20.55	6120UL	FPLP	20.59	5120FL	FPLR	20.56	6120FL	FPLP	20.59
	4/C	Solid	5122UL	FPLR	20.55	6122UL	FPLP	20.59	5122FL	FPLR	20.56	6122FL	FPLP	20.59
16	2/C	Solid	5220UL	FPLR	20.55	6220UL	FPLP	20.59	5220FL	FPLR	20.56	6220FL	FPLP	20.59
	4/C	Solid	5222UL	FPLR	20.55	6222UL	FPLP	20.59	5222FL	FPLR	20.56	6222FL	FPLP	20.59
18	2/C	Solid	5320UL	FPLR	20.55	6320UL	FPLP	20.59	5320FL	FPLR	20.56	6320FL	FPLP	20.59
	3/C	Solid	—	—	—	6321UL	FPLP	20.59	—	—	—	—	—	—
	4/C	Solid	5322UL	FPLR	20.55	6322UL	FPLP	20.59	5322FL	FPLR	20.56	6322FL	FPLP	20.59
	6/C	Solid	5324UL	FPLR	20.55	6324UL	FPLP	20.59	—	—	—	—	—	—
	8/C	Solid	5326UL	FPLR	20.55	6326UL	FPLP	20.59	—	—	—	—	—	—
	10/C	Solid	5328UL	FPLR	20.55	6328UL	FPLP	20.59	—	—	—	—	—	—
	12/C	Solid	5329UL	FPLR	20.55	—	—	—	—	—	—	—	—	—
22	4/C	Solid	5522UL	FPLR	20.55	6522UL	FPLP	20.59	5522FL	FPLR	20.56	—	—	—
	6/C	Solid	5524UL	FPLR	20.55	6524UL	FPLP	20.59	—	—	—	—	—	—

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*Overall Shielded

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BELDEN For more information, contact Belden Technical Support: **1-800-BELDEN-1** • www.belden.com

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			Non-Plenum			Plenum			Non-Plenum			Plenum		
			Part No.	Rating	Page No.	Part No.	Rating	Page No.	Part No.	Rating	Page No.	Part No.	Rating	Page No.
Fire Alarm, Mid-Capacitance														
12	2/C	Solid	—	—	—	—	—	—	5020FJ	FPL	20.57	—	—	—
14	2/C	Solid	—	—	—	6120UJ	FPLP	20.60	5120FJ	FPL	20.57	—	—	—
16	2/C	Solid	5220UJ	FPL	20.57	6220UJ	FPLP	20.60	5220FJ	FPL	20.57	6220FK	FPLP	20.60
	4/C	Solid	—	—	—	—	—	—	5222FJ	FPL	20.57	—	—	—
18	2/C	Solid	5320UJ	FPL	20.57	6320UJ	FPLP	20.60	5320FJ	FPL	20.57	6320FK	FPLP	20.60
	4/C	Solid	—	—	—	—	—	—	5322FJ	FPL	20.57	—	—	—
Fire Alarm, Non-Power-Limited														
12	2/C	Solid	—	—	—	—	—	—	5020FN	NPLF	20.58	—	—	—
14	2/C	Solid	5120UN	NPLF	20.58	—	—	—	5120FN	NPLF	20.58	—	—	—
	4/C	Solid	—	—	—	—	—	—	5122FN	NPLF	20.58	—	—	—
16	2/C	Solid	5220UN	NPLF	20.58	—	—	—	5220FN	NPLF	20.58	—	—	—
	4/C	Solid	5222UN	NPLF	20.58	—	—	—	5222FN	NPLF	20.58	—	—	—
18	2/C	Solid	5320UN	NPLF	20.58	—	—	—	5320FN	NPLF	20.58	—	—	—
	4/C	Solid	5322UN	NPLF	20.58	—	—	—	5322FN	NPLF	20.58	—	—	—
Fire Alarm Circuit Integrity (CI)														
12	2/C	19	—	—	—	—	—	—	5000FM	FPLR-CI	20.64	—	—	—
	2/C	Solid	5020UM	FPLR-CI	20.63	—	—	—	5020FM	FPLR-CI	20.64	—	—	—
	4/C	19	—	—	—	—	—	—	5002FM	FPLR-CI	20.64	—	—	—
	4/C	Solid	5022UM	FPLR-CI	20.63	—	—	—	5022FM	FPLR-CI	20.64	—	—	—
14	2/C	19	—	—	—	—	—	—	5100FM	FPLR-CI	20.64	—	—	—
	2/C	Solid	5120UM	FPLR-CI	20.63	—	—	—	5120FM	FPLR-CI	20.64	—	—	—
	4/C	19	—	—	—	—	—	—	5102FM	FPLR-CI	20.64	—	—	—
	4/C	Solid	5122UM	FPLR-CI	20.63	—	—	—	5122FM	FPLR-CI	20.64	—	—	—
16	2/C	19	—	—	—	—	—	—	5200FM	FPLR-CI	20.64	—	—	—
	2/C	Solid	5220UM	FPLR-CI	20.63	—	—	—	5220FM	FPLR-CI	20.64	—	—	—
	4/C	19	—	—	—	—	—	—	5202FM	FPLR-CI	20.64	—	—	—
	4/C	Solid	5222UM	FPLR-CI	20.63	—	—	—	5222FM	FPLR-CI	20.64	—	—	—
18	2/C	7	—	—	—	—	—	—	5300FM	FPLR-CI	20.64	—	—	—
	2/C	Solid	5320UM	FPLR-CI	20.63	—	—	—	5320FM	FPLR-CI	20.64	—	—	—
	4/C	7	—	—	—	—	—	—	5302FM	FPLR-CI	20.64	—	—	—
	4/C	Solid	5322UM	FPLR-CI	20.63	—	—	—	5322FM	FPLR-CI	20.64	—	—	—
	6/C	7	—	—	—	—	—	—	5304FM	FPLR-CI	20.64	—	—	—
	6/C	Solid	5324UM	FPLR-CI	20.63	—	—	—	5324FM	FPLR-CI	20.64	—	—	—
	8/C	7	—	—	—	—	—	—	5306FM	FPLR-CI	20.64	—	—	—
	8/C	Solid	5326UM	FPLR-CI	20.63	—	—	—	5326FM	FPLR-CI	20.64	—	—	—
Fire Alarm Circuit Integrity in Conduit (CIC)														
12	2/C	Solid	5000UZ	FPLR-CI	20.61	—	—	—	5000FZ	FPLR-CI	20.62	—	—	—
14	2/C	7	5100UZ	FPLR-CI	20.61	—	—	—	5100FZ	FPLR-CI	20.62	—	—	—
	2/C	Solid	5120UZ	FPLR-CI	20.61	—	—	—	5120FZ	FPLR-CI	20.62	—	—	—
16	2/C	7	5200UZ	FPLR-CI	20.61	—	—	—	5200FZ	FPLR-CI	20.62	—	—	—
	2/C	Solid	5220UZ	FPLR-CI	20.61	—	—	—	5220FZ	FPLR-CI	20.62	—	—	—
	4/C	Solid	—	—	—	—	—	—	5222FZ	FPLR-CI	20.62	—	—	—
Thermostat and Control Cable														
18	1 PR	7	—	—	—	—	—	—	5340FT	CMR/CMG	20.33	6340FT	CMP	20.34
	2 PR	7	—	—	—	—	—	—	5341PT	CMR/CMG	20.33	6341PT	CMP	20.34
22	1 PR	7	—	—	—	—	—	—	5540FT	CMR/CMG	20.33	6540FT	CMP	20.34
	2 PR	7	—	—	—	—	—	—	5541PT	CMR/CMG	20.33	6541PT	CMP	20.34
24	1 PR	Solid	—	—	—	—	—	—	5660FT	CMR/CMG	20.33	6660FT	CMP	20.34
	2 PR	Solid	—	—	—	—	—	—	5661PT	CMR/CMG	20.33	6661PT	CMP	20.34

/C = Conductor(s) • PR = Pair(s) • STP = Shielded Twisted Pair(s) • TP = Twisted Pair(s)
*Overall Shielded

Sound, Security and Alarm Cables
Cable Finder Guide — Coax and Composite

NEW GENERATION®

20 • New Generation® Cables

Coax Series or Component Type	AWG Size	Stranding	Non-Plenum				Plenum			
			Part No.	Rating	Shield/Braid Coverage	Page No.	Part No.	Rating	Shield/Braid Coverage	Page No.
CATV/MATV Coax										
RG-59/U	20	Solid	—	—	—	—	6439C8	CMP	Duofoil + 80% Aluminum	20.49
	20	Solid	—	—	—	—	6439Q8	CMP	Quad Shield	20.49
RG-6/U	18	Solid	5339B5	CM	Duofoil + 60% Aluminum	20.48	633938	CMP	Duofoil + 90% Aluminum	20.49
	18	Solid	5339Q5	CM	Quad Shield	20.48	6339Q8	CMP	Quad Shield	20.49
RG-11/U	14	Solid	—	—	—	—	6139B8	CMP	Duofoil + 60% Aluminum	20.49
CCTV Coax										
Mini 59	25	Solid	573945	CM	94% Bare Copper	20.37	673948	CMP	95% Bare Copper	20.39
RG-59/U	22	7	551945	CM	95% Bare Copper	20.37	—	—	—	—
	20	Solid	543945	CM	95% Bare Copper	20.37	643948	CMP	95% Bare Copper	20.39
RG-6/U	18	Solid	533945	CM	95% Bare Copper	20.37	633948	CMP	95% Bare Copper	20.39
RG-11/U	14	Solid	513945	CM	95% Bare Copper	20.37	613948	CMP	95% Bare Copper	20.39
CCTV Coax, Surveillance										
RG-59/U	20	Solid	—	—	—	—	7986LC	CMP	95% Bare Copper	20.50
RG-6/U	18	Solid	—	—	—	—	7985LC	CMP	95% Bare Copper	20.50
CATV Coax, Water-blocked										
RG-59/U	20	Solid	5439W5	CM	Duofoil® + 95% TC	20.37	—	—	—	—
RG-6/U	18	Solid	5339W5	CM	Duofoil + 60% Aluminum	20.37	—	—	—	—
Security Coax										
RG-62	22	Solid	—	—	—	—	6539Y8	CMP	95% Bare Copper	20.39
Schlage Coax										
RG-6/U	18	Solid	5399B5	CM	Duobond® + 60% Alum.	20.48	—	—	—	—
CCTV Composite Coax with Unshielded Pair for Control or Power										
Mini RG-59	25	Solid	579945	CM	95% Bare Copper	20.38	679948	CMP	95% Bare Copper	20.38
UTP	20	7			Unshielded				Unshielded	
RG-59	20	Solid	549945	CM	95% Bare Copper	20.38	649948	CMP	95% Bare Copper	20.38
UTP	18	7			Unshielded				Unshielded	
RG-6	18	Solid	539945	CM	95% Bare Copper	20.38	639948	CMP	95% Bare Copper	20.38
UTP	18	7			Unshielded				Unshielded	
Pan/Tilt/Zoom BananaPeel Composite Coax										
RG-59/U	20	Solid	500PTZ	CMR	95% Bare Copper Braid	20.42	600PTZ	CMP	95% Bare Copper Braid	20.43
1UTP	23	Solid			Unshielded				Unshielded	
2/C	18	7			Unshielded				Unshielded	
RG-59/U	20	Solid	501PTZ	CMR	95% Bare Copper Braid	20.44	601PTZ	CMP	95% Bare Copper Braid	20.45
1STP	22	7			Beldfoil®				Beldfoil	
2/C	18	7			Unshielded				Unshielded	
RG-59/U	20	Solid	502PTZ	CMR	95% Bare Copper Braid	20.46	602PTZ	CMP	95% Bare Copper Braid	20.47
1STP	18	7			Beldfoil				Beldfoil	
2/C	18	7			Unshielded				Unshielded	
CCTV Surveillance UTP and Composite Cables										
2/C	16	19	5284US	CMR	Unshielded	20.51	6284US	CMP	Unshielded	20.52
2TP	24	Solid			Unshielded				Unshielded	
2/C	16	19	5284UE	CMR	Unshielded	20.51	6284UE	CMP	Unshielded	20.52
2TP	23	Solid			Unshielded				Unshielded	
2/C	16	19	5288US	CMR	Unshielded	20.51	6288US	CMP	Unshielded	20.52
4TP	23	Solid			Unshielded				Unshielded	
4TP	24	Solid	1583A	CM	Unshielded	20.40/53	1585A	CMP	Unshielded	20.41/54
4TP	24	Solid	1500A	CM	Unshielded	20.40/53	1501A	CMP	Unshielded	20.41/54
4TP	24	Solid	1583R	CMR	Unshielded	20.40/53	—	—	—	—
2TP	24	Solid	1500R	CMR	Unshielded	20.40/53	—	—	—	—
4TP	23	Solid	7881A	CMR	Unshielded	20.40/53	7882A	CMP	Unshielded	20.41/54
Access Control BananaPeel® Composite Cables										
4/C	18	7	558AFS	CMR	Beldfoil	20.36	658AFS	CMP	Beldfoil	20.35
3TP	22	7			Beldfoil				Beldfoil	
4/C	22	7			Beldfoil				Beldfoil	
2/C	22	7			Beldfoil				Beldfoil	
4/C	16	19	538AFS	CMR	Beldfoil	20.36	638AFS	CMP	Beldfoil	20.35
3TP	18	7			Beldfoil				Beldfoil	
4/C	18	7			Beldfoil				Beldfoil	
2/C	18	7			Beldfoil				Beldfoil	

STP = Shielded Twisted Pair • TC = Tinned Copper • TP = Twisted Pair(s) • UTP = Unshielded Twisted Pair • /C = Conductor(s) (Multi-conductor)

BELDEN For more information, contact Belden Technical Support: **1-800-BELDEN-1** • www.belden.com

Security and Alarm Cable
Residential, Light Commercial and Institutional Applications
Unshielded

NEW GENERATION®

Unshielded Multi-conductor
CM FT1 Rated

Product Description

Bare copper conductors, polypropylene insulation, PVC jacket. Available in Beige, Brown, Orange, Yellow, Green, Blue, Purple, Gray or White jacket colors (except as noted in footnote). Conductors may not be cabled. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	Polypropylene
Insulation Thickness	.006″ (.152mm)
Jacket	PVC
Approvals	
NEC	CM
CEC	CM FT1
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls
- Single Line Telephone
- Station Wire (5582UG)

Solid Conductor

Stranded Conductor

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Unshielded Multi-conductor (NEC CM and CEC CM FT1)										
22 AWG										
5500UG*	2	7	C-500	C-152	3.5	1.6	.015	.38	.114	2.90
			U-500	U-152	5.0	2.3				
			C-1000	C-305	7.0	3.2				
			U-1000	U-305	9.0	4.1				
5582UG**	4	solid	C-500	C-152	6.0	2.7	.015	.38	.122	3.10
			C-1000	C-305	12.0	5.4				
			U-1000	U-305	13.0	6.0				
5502UG	4	7	C-500	C-152	6.5	3.0	.015	.38	.131	3.33
			U-500 ▲	U-152	7.5	3.4				
			C-1000	C-305	13.0	6.0				
			U-1000	U-305	14.0	6.4				
5522UG† new	4	solid	C-500	C-152	6.0	2.7	.015	.38	.122	3.10
			C-1000	C-305	12.0	5.4				
5520UG new	2	solid	C-500 ◆	C-152	3.5	1.6	.015	.38	.106	2.69
			C-1000	C-305	7.0	3.2				
18 AWG										
5300UG††	2	7	C-500	C-152	7.5	3.4	.015	.38	.148	3.76
			U-500	U-152	8.5	3.9				
			U-1000	U-305	16.0	7.3				

  * U-1000 available in Brown, Gray or Natural only.
 ** 5582UG available in Brown, Gray, White or Beige only.
  † 5522UG available in White only.
†† 5300UG available in Gray, Black or Natural only.
 ▲ 5502UG U-500 ft. put-up available in Gray or White only.
 ◆ 5520UG C-500 ft. put-up available in Gray or White only.

Color Code Chart ▼
(5500UG, 5502UG, 5520UG, 5522UG, 5300UG)

Cond. No.	Color
1	Black
2	Red
3	White
4	Green

▼Except 5582UG which is Black, Red, Yellow, Green for use as station wire.

Color Code Chart
(5582UG)

Cond. No.	Color
1	Black
2	Red
3	Yellow
4	Green

Security and Alarm Cable
Commercial Applications
Unshielded

20 ● New Generation® Cables

Unshielded Multi-conductor
CMR/CMG FT4 Rated

Product Description

Bare copper conductors, PVC insulation, Gray PVC jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

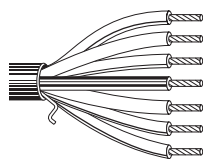|	
Conductor	Bare Copper
Insulation	PVC
Insulation Thickness	.010″ (.254mm)
Jacket	PVC
Approvals	
NEC	CMR
CEC	CMG FT4
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls
- Single Line Telephone

Solid Conductor

Stranded Conductor

Color Code Chart ††

Cond. No.	Color	Cond. No.	Color
1	Black	11	Pink
2	Red	12	Tan
3	White	13	White/Black
4	Green	14	White/Red
5	Brown	15	White/Green
6	Blue	16	White/Orange
7	Orange	17	White/Blue
8	Yellow	18	White/Brown
9	Purple	19	White/Yellow
10	Gray	20	White/Purple

††Except 5582UE which is Black, Red, Yellow, Green for use as station wire.

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Unshielded Multi-conductor (NEC CMR and CEC CMG FT4)

22 AWG

Part No.	No. of Cond.	Stranding	Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
5520UE	2	solid	C-500	C-152	4.0	1.8	.015	.38	.122	3.10
			U-500	U-152	5.5	2.5				
			C-1000	C-305	8.0	3.6				
			U-1000	U-305	9.0	4.1				
			1000	305	9.0	4.1				
5500UE	2	7	C-500	C-152	4.0	1.8	.015	.38	.128	3.25
			U-500	U-152	5.5	2.5				
			500	152	5.5	2.5				
			C-1000	C-305	8.0	3.6				
			U-1000	U-305	10.0	4.5				
			1000	305	9.0	4.1				
5501UE	3	7	U-1000	U-305	13.0	5.9	.015	.38	.135	3.43
			1000	305	13.0	5.9				
5522UE	4	solid	U-1000	U-305	16.0	7.3	.015	.38	.141	3.58
			1000	305	16.0	7.3				
5582UE*	4	solid	C-500	C-152	7.0	3.2	.015	.38	.141	3.58
			U-500	U-152	6.5	3.0				
			U-1000	U-305	12.0	5.5				
			1000	305	12.0	5.5				
5502UE**	4	7	C-500	C-152	7.5	3.4	.015	.38	.148	3.76
			U-500	U-152	9.0	4.1				
			U-1000	U-305	16.0	7.3				
			1000	305	16.0	7.3				
5503UE	5	7	U-1000	U-305	20.0	9.1	.015	.38	.162	4.11
			1000	305	20.0	9.1				
5524UE	6	solid	C-500	C-152	10.5	4.8	.015	.38	.168	4.27
			1000	305	22.0	10.0				
5504UE**	6	7	C-500	C-152	12.5	5.7	.015	.38	.177	4.50
			U-500	U-152	14.0	6.4				
			500	152	13.5	6.1				
			U-1000	U-305	27.0	12.3				
			1000	305	27.0	12.3				
5526UE	8	solid	1000	305	28.0	12.7	.015	.38	.182	4.62
5506UE	8	7	U-1000	U-305	29.0	13.2	.015	.38	.192	4.88
			1000	305	30.0	13.6				
5508UE	10	7	U-1000	U-305	36.0	16.3	.015	.38	.226	5.74
			1000	305	41.0	18.6				
5529UE	12	solid	U-1000	U-305	40.0	18.1	.015	.38	.221	5.61
			1000	305	42.0	19.1				
5509UE	12	7	U-500	U-152	21.5	9.8	.015	.38	.233	5.92
			U-1000	U-305	42.0	19.1				
			1000	305	47.0	21.4				

20 AWG

Part No.	No. of Cond.	Stranding	Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
5400UE	2	7	C-500	C-152	6.0	2.7	.015	.38	.142	3.61
			U-1000	U-305	13.0	5.9				
			1000	305	13.0	5.9				
5401UE	3	7	500	152	9.0	4.1	.015	.38	.150	3.81
			U-1000	U-305	18.0	8.2				
			1000	305	18.0	8.2				
5402UE	4	7	C-500	C-152	10.5	4.8	.015	.38	.165	4.19
			U-1000	U-305	23.0	10.5				
			1000	305	23.0	10.5				
5403UE	5	7	U-1000	U-305	27.0	12.2	.015	.38	.181	4.60
			1000	305	28.0	12.7				
5405UE	7	7	500	152	19.0	8.6	.015	.38	.198	5.03
			1000	305	40.0	18.2				
5406UE	8	7	U-1000	U-305	41.0	18.6	.015	.38	.215	5.46
			1000	305	43.0	19.5				
5407UE	9	7	1000	305	48.0	21.8	.015	.38	.233	5.92
5408UE	10	7	1000	305	53.0	24.1	.015	.38	.254	6.45
5409UE	12	7	1000	305	62.0	28.1	.015	.38	.262	6.65
540BUE	20	7	1000	305	110.0	49.9	.025	.64	.347	8.81

* 5582UE also available in Beige, Brown or White.
** 5502UE and 5504UE also available in White.

Security and Alarm Cable
Commercial Applications
Unshielded

NEW GENERATION®

Unshielded Multi-conductor *(cont'd.)*
CMR/CMG FT4 Rated

Product Description

Bare copper conductors, PVC insulation, Gray PVC jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

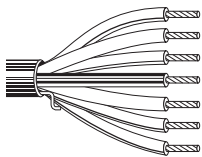|	
Conductor	Bare Copper
Insulation	PVC
Insulation Thickness	.010″ (.254mm)
Jacket	PVC
Approvals	
NEC	CMR
CEC	CMG FT4
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Addressable Fire Systems
- Data Circuits
- Monitor/Detection
- Control Circuits
- Initiating Circuits
- Notification Circuits

Solid Conductor

Stranded Conductor

Color Code Chart

Cond. No.	Color	Cond. No.	Color
1	Black	11	Pink
2	Red	12	Tan
3	White	13	White/Black
4	Green	14	White/Red
5	Brown	15	White/Green
6	Blue	16	White/Orange
7	Orange	17	White/Blue
8	Yellow	18	White/Brown
9	Purple	19	White/Yellow
10	Gray	20	White/Purple

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Unshielded Multi-conductor (NEC CMR and CEC CMG FT4)										
18 AWG										
5320UE	2	solid	C-500	C-152	7.5	3.4	.015	.38	.151	3.84
			U-1000	U-305	17.0	7.7				
5300UE*	2	7	C-500	C-152	8.5	3.9	.015	.38	.161	4.09
			U-500	U-152	9.5	4.3				
			500	152	9.5	4.3				
			U-1000	U-305	17.0	7.7				
			1000	305	18.0	8.2				
5321UE	3	solid	U-1000	U-305	23.0	10.4	.015	.38	.160	4.06
			1000	305	23.0	10.4				
5301UE	3	7	500	152	12.5	5.7	.015	.38	.171	4.34
			U-1000	U-305	25.0	11.3				
			1000	305	25.0	11.3				
5322UE	4	solid	1000	305	30.0	13.6	.015	.38	.176	4.47
5302UE	4	7	C-250	C-76.2	7.5	3.4	.015	.38	.188	4.78
			U-500	U-152	16.5	7.5				
			500	152	16.0	7.3				
			U-1000	U-305	32.0	14.5				
			1000	305	32.0	14.5				
5303UE	5	7	500	152	20.5	9.3	.015	.38	.207	5.26
			U-1000	U-305	39.0	17.7				
			1000	305	39.0	17.7				
5304UE	6	7	500	152	26.0	11.8	.015	.38	.226	5.74
			U-1000	U-305	51.0	23.2				
			1000	305	52.0	23.6				
5305UE	7	7	U-1000	U-305	51.0	23.2	.015	.38	.226	5.74
			1000	305	52.0	23.6				
5306UE	8	7	500	152	30.0	13.6	.015	.38	.248	6.30
			1000	305	59.0	26.8				
5307UE	9	7	1000	305	66.0	30.0	.015	.38	.269	6.83
5308UE	10	7	500	152	38.5	17.5	.015	.38	.294	7.47
			1000	305	74.0	33.6				
5309UE	12	7	500	152	47.5	21.6	.020	.51	.314	7.98
			1000	305	90.0	40.9				
530BUE	20	7	1000	305	152.0	69.0	.025	.64	.400	10.16
16 AWG										
5200UE	2	19	C-500	C-152	11.5	5.2	.015	.38	.184	4.67
			U-500	U-152	13.0	5.9				
			500	152	12.5	5.7				
			U-1000	U-305	24.0	10.9				
			1000	305	25.0	11.4				
5201UE	3	19	U-500	U-152	18.5	8.4	.015	.38	.196	4.98
			500	152	18.0	8.2				
			U-1000	U-305	35.0	15.9				
			1000	305	38.0	17.3				
5202UE	4	19	U-500	U-152	23.5	10.7	.015	.38	.216	5.49
			500	152	23.0	10.4				
			U-1000	U-305	45.0	20.4				
			1000	305	47.0	21.3				
5205UE	7	19	1000	305	77.0	35.0	.015	.38	.261	6.63

*5300UE also available in White or Black.

Security and Alarm Cable
Commercial Applications
Unshielded

NEW GENERATION®

Unshielded Multi-conductor
CMR/CL3R Rated

Product Description

Bare copper conductors, PVC insulation, Gray PVC jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	PVC
Insulation Thickness	.014″ (.356mm)
Jacket	PVC
Approvals	
NEC	CMR FPLR† & CL3R
NEC Articles	725 & 760
Voltage Rating	300V
Temperature Rating	75°C

†CMR FPLR dual rating for 5000UE, 5100UE, 5000FE and 5100FE only.

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls
- Single Line Telephone
- Fire Alarm Systems (Red Only) Dual Rated**
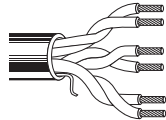
Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Unshielded Multi-conductor (NEC CMR FPLR CL3R)										
14 AWG										
5100UE*	2	19	500	152	20.0	9.1	.015	.38	.234	5.94
			U-1000	U-305	38.0	17.2				
			1000	305	40.0	18.2				
5101UE	3	19	1000	305	56.0	25.5	.015	.38	.249	6.32
5102UE	4	19	500	152	38.5	17.5	.015	.38	.276	7.01
			1000	305	71.0	33.2				
12 AWG										
5000UE*	2	19	500	152	29.0	13.2	.015	.38	.268	6.81
			1000	305	57.0	25.9				
5001UE	3	19	1000	305	82.0	37.3	.015	.38	.286	7.26

*5100UE and 5000UE also available in Red for Fire Alarm (FPLR).

20 ● New Generation® Cables

Color Code Chart

Cond. No.	Color
1	Black
2	White
3	Red
4	Green

Security and Alarm Cable
Commercial Applications
Shielded

NEW GENERATION®

Shielded Multi-conductor
CMR/CMG FT4 Rated

Product Description

Bare copper conductors, PVC insulation, cabled, Beldfoil® shield tape (foil side out) with drain wire, Gray PVC jacket with rip cord. Sequential footage marking every two feet.
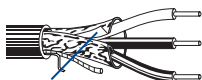
Color Code: See chart below.

Specifications

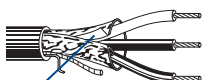|	
Conductor	Bare Copper
Insulation	PVC
Insulation Thickness	.010″ (.254mm)
Shield	Beldfoil
Jacket	PVC
Approvals	
NEC	CMR
CEC	CMG FT4
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

• Security Systems
• Intercom/PA Systems
• Sound/Audio Systems
• Power-Limited Controls

Solid Conductor

Shorting Fold

Stranded Conductor

Shorting Fold

Color Code Chart

Cond. No.	Color
1	Black
2	Red
3	White
4	Green
5	Brown
6	Blue
7	Orange
8	Yellow
9	Purple
10	Gray

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Shielded Multi-conductor (NEC CMR and CEC CMG FT4)

Part No.	No. of Cond.	Stranding	Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
24 AWG										
5600FE	2	7	U-1000	U-305	11.0	5.0	.015	.38	.120	3.05
			1000	305	10.0	4.5				
22 AWG										
5520FE	2	solid	C-500	C-152	6.5	3.0	.015	.38	.125	3.18
			C-1000	C-305	13.0	5.9				
			U-1000	U-305	14.0	6.4				
			1000	305	14.0	6.4				
5500FE	2	7	C-500	C-152	5.5	2.5	.015	.38	.130	3.30
			U-500	U-152	6.5	3.0				
			500	152	6.5	3.0				
			U-1000	U-305	12.0	5.4				
			1000	305	12.0	5.4				
5521FE	3	solid	U-1000	U-305	12.0	5.4	.015	.38	.132	3.35
			1000	305	12.0	5.4				
5501FE	3	7	C-500	C-152	7.0	3.2	.015	.38	.138	3.51
			U-500	U-152	8.0	3.6				
			500	152	7.5	3.4				
			U-1000	U-305	15.0	6.8				
			1000	305	15.0	6.8				
5502FE	4	7	C-500	C-152	8.5	3.9	.015	.38	.152	3.86
			U-500	U-152	9.5	4.3				
			500	152	9.5	4.3				
			U-1000	U-305	18.0	8.2				
			1000	305	18.0	8.2				
5503FE	5	7	1000	305	22.0	10.0	.015	.38	.165	4.19
5504FE	6	7	C-500	C-152	13.5	6.1	.015	.38	.179	4.55
			U-500	U-152	15.0	6.8				
			U-1000	U-305	29.0	13.2				
			1000	305	29.0	13.2				
5506FE	8	7	U-500	U-152	16.5	7.5	.015	.38	.196	4.98
			U-1000	U-305	32.0	14.5				
			1000	305	32.0	14.5				
5508FE	10	7	U-500	U-152	19.5	8.9	.015	.38	.230	5.84
			U-1000	U-305	38.0	17.2				
			1000	305	44.0	20.0				
20 AWG										
5400FE	2	7	C-500	C-152	8.0	3.6	.015	.38	.145	3.68
			U-500	U-152	9.0	4.1				
			500	152	8.5	3.9				
			U-1000	U-305	17.0	7.2				
			1000	305	17.0	7.2				
5401FE	3	7	U-500	U-152	11.0	5.0	.015	.38	.153	3.89
			500	152	10.5	4.8				
			U-1000	U-305	21.0	9.5				
			1000	305	21.0	9.5				
5402FE	4	7	C-500	C-152	12.0	5.4	.015	.38	.168	4.27
			U-500	U-152	12.5	5.7				
			500	152	13.0	5.9				
			U-1000	U-305	25.0	11.3				
			1000	305	26.0	11.8				
5403FE	5	7	U-1000	U-305	30.0	13.6	.015	.38	.184	4.67
			1000	305	30.0	13.6				
5405FE	7	7	U-1000	U-305	39.0	17.7	.015	.38	.201	5.11
			1000	305	40.0	18.2				
5407FE	9	7	1000	305	51.0	23.2	.015	.38	.236	5.99

Security and Alarm Cable
Commercial Applications
Shielded

NEW GENERATION®

20 ● New Generation® Cables

Shielded Multi-conductor *(cont'd.)*
CMR/CMG FT4 Rated or CL3R Rated

Product Description

Bare copper conductors, PVC insulation, cabled, Beldfoil® shield tape (foil side out) with drain wire, Gray PVC jacket with rip cord. Sequential footage marking every two feet.

**Color Code:** See chart below.

Specifications

Conductor	Bare Copper
Insulation	PVC
Insulation Thickness	
18 to 16 AWG	.010″ (.254mm)
14 to 12 AWG	.014″ (.356mm)
Shield	Beldfoil
Jacket	PVC
Approvals	
NEC (18 to 16 AWG)	CMR FPLR†
CEC (18 to 16 AWG)	CMG FT4
NEC (14 to 12 AWG)	CL3R
NEC Articles	
18 to 16 AWG	800
14 to 12 AWG	725
Voltage Rating	300V
Temperature Rating	75°C

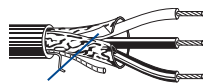†CMR FPLR dual rating for 5000UE, 5100UE, 5000FE and 5100FE only.

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls
- Fire Alarm Systems (Red Only) Dual Rated†

Solid Conductor
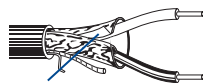
Shorting Fold

Stranded Conductor

Shorting Fold

Color Code Chart (18 to 16 AWG)

Cond. No.	Color	Cond. No.	Color
1	Black	6	Blue
2	Red	7	Orange
3	White	8	Yellow
4	Green	9	Purple
5	Brown	10	Gray

(14 to 12 AWG)

Cond. No.	Color
1	Black
2	White
3	Red

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Shielded Multi-conductor (NEC CMR and CEC CMG FT4)

18 AWG										
5320FE	2	solid	C-500	C-152	10.0	4.6	.015	.38	.155	3.94
			U-1000	U-305	21.0	9.5				
			1000	305	21.0	9.5				
5300FE	2	7	C-500	C-152	11.0	5.0	.015	.38	.165	4.19
			U-500	U-152	12.0	5.5				
			500	152	12.0	5.5				
			U-1000	U-305	23.0	10.4				
			1000	305	23.0	10.4				
5301FE	3	7	U-500	U-152	15.5	7.0	.015	.38	.175	4.45
			500	152	15.0	6.8				
			U-1000	U-305	30.0	13.6				
			1000	305	30.0	13.6				
5302FE	4	7	C-250	C-76	8.8	4.0	.015	.38	.192	4.88
			U-500	U-152	19.0	8.6				
			500	152	20.5	9.3				
			U-1000	U-305	36.0	16.3				
			1000	305	37.0	16.8				
5303FE	5	7	U-500	U-152	22.5	10.2	.015	.38	.211	5.36
			500	152	22.5	10.2				
			U-1000	U-305	43.0	19.5				
			1000	305	45.0	20.5				
5304FE	6	7	U-500	U-152	28.5	12.9	.015	.38	.230	5.84
			500	152	26.0	11.8				
			1000	305	57.0	25.9				
5305FE	7	7	1000	305	57.0	25.9	.015	.38	.230	5.84
5306FE*	8	7	500	152	32.0	14.5	.015	.38	.270	6.86
			1000	305	64.0	29.1				
5307FE	9	7	1000	305	71.0	32.3	.015	.38	.272	6.91
16 AWG										
5200FE**	2	19	U-500	U-152	16.5	7.5	.015	.38	.188	4.78
			500	152	16.5	7.5				
			U-1000	U-305	31.0	14.1				
			1000	305	32.0	14.5				
5201FE	3	19	500	152	21.5	9.8	.015	.38	.200	5.08
			U-1000	U-305	42.0	19.1				
			1000	305	42.0	19.1				
5202FE	4	19	500	152	26.5	12.0	.015	.38	.220	5.59
			1000	305	54.0	24.5				

Shielded Multi-conductor (NEC CL3R)

14 AWG										
5100FE†	2	19	500	152	28.5	12.9	.015	.38	.238	6.05
			U-1000	U-305	49.0	22.2				
			1000	305	51.0	23.2				
5101FE	3	19	1000	305	66.0	30.0	.015	.38	.253	6.43
12 AWG										
5000FE†	2	19	500	152	36.5	16.6	.015	.38	.272	6.91
			1000	305	67.0	30.5				

* 5306FE also available in Natural.
** 5200FE also available in White.
† 5100FE and 5000FE available in Red or Gray for Fire Alarm (FPLR).

Security and Alarm Cable
Water-Blocked for Use in Underground Ducts
Unshielded and Shielded

NEW GENERATION®

**Water-blocked,
Unshielded Multi-conductor**
CM FT1 Rated

Product Description

Tinned copper conductors, PVC insulation, cabled with overall water-blocking tape, Gray PVC jacket with rip cord. Sequential footage marking every two feet.

**Water-blocked,
Shielded Multi-conductor**
CM FT1 Rated

Product Description

Tinned copper conductors, PVC insulation, cabled with overall Beldfoil® shield and drain wire, overall water-blocking tape, Gray PVC jacket with rip cord. Sequential footage marking every two feet.

Color Code: Black, Red.

Specifications

Conductor	Tinned Copper
Insulation	PVC
Insulation Thickness	.010″ (.254mm)
Shield (where applicable)	Beldfoil
Jacket	PVC
Approvals	
NEC	CM
CEC	CM FT1
NEC Articles	800
Voltage Rating	300V
Temperature Rating	105°C

Applications

• Security Systems
• Intercom/PA Systems
• Sound/Audio Systems
• Power-Limited Controls
• Indoor or Outdoor Use

Unshielded Water-blocked

Shielded and Water-blocked
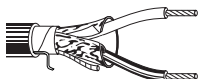
Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Water-blocked, Unshielded Multi-conductor (NEC CM and CEC CM FT1)										
18 AWG										
5300U1	2	7	U-500	U-152	12.0	5.5	.025	.64	.207	5.26
			500	152	13.5	6.1				
			U-1000	U-305	22.0	10.0				
			1000	305	24.0	10.9				
Water-blocked, Shielded Multi-conductor (NEC CM and CEC CM FT1)										
22 AWG										
5500F1	2	7	U-500	U-152	9.0	4.1	.025	.64	.192	4.88
			500	152	9.0	4.1				
			U-1000	U-305	16.0	7.3				
			1000	305	17.0	7.7				
20 AWG										
5400F1	2	7	U-500	U-152	11.5	5.2	.025	.64	.206	5.23
			500	152	11.0	5.0				
			U-1000	U-305	21.0	9.5				
			1000	305	21.0	9.5				
18 AWG										
5300F1	2	7	U-500	U-152	15.0	6.8	.025	.64	.222	5.64
			500	152	15.0	6.8				
			U-1000	U-305	29.0	13.2				
			1000	305	30.0	13.6				

Security and Alarm Cable
Commercial Applications
Unshielded

NEW GENERATION®

Unshielded Twisted Pairs
CMR/CMG FT4 Rated

Product Description

Bare copper conductors, PVC insulation. Conductors twisted into pairs, multiple pairs cabled together, Gray PVC jacket with rip cord. Sequential footage marking every two feet.
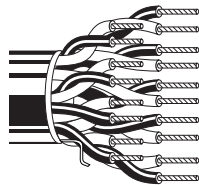
Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	PVC
Insulation Thickness	.010″ (.254mm)
Jacket	PVC
Approvals	
NEC	CMR
CEC	CMG FT4
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls

Part No.	No. of Pairs	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Unshielded Twisted Pairs (NEC CMR and CEC CMG FT4)										
22 AWG										
5541UE	2	7	U-1000 1000	U-305 305	18.0 19.0	8.2 8.6	.015	.38	.206	5.23
5542UE	3	7	U-500 U-1000 1000	U-152 U-305 305	13.0 24.0 26.0	5.9 10.9 11.8	.015	.38	.220	5.59
5543UE	4	7	U-1000 1000	U-305 305	31.0 32.0	14.1 14.5	.015	.38	.243	6.17
5547UE	9	7	1000	305	70.0	31.8	.020	.51	.334	8.48
18 AWG										
5341UE	2	7	U-1000 1000	U-305 305	34.0 36.0	15.4 16.4	.015	.38	.266	6.76
5342UE	3	7	U-1000 1000	U-305 305	48.0 50.0	21.8 22.7	.015	.38	.283	7.19
5343UE	4	7	1000	305	67.0	30.5	.018	.46	.320	8.13
5345UE	6	7	1000	305	96.0	43.6	.018	.46	.362	9.19
5347UE	9	7	1000	305	140.0	63.6	.020	.51	.434	11.02

Color Code Chart

Pair No.	Color Combination
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown
7	Black & Orange
8	Red & White
9	Red & Green

Security and Alarm Cable
Commercial Applications
Shielded

N E W GENERATION®

Overall Shielded Twisted Pairs
CMR/CMG FT4 Rated

Product Description

Bare copper conductors, PVC insulation. Conductors twisted into pairs, multiple pairs cabled together, overall Beldfoil® shield (foil side out) and drain wire, overall Gray PVC jacket with rip cord. Sequential footage marking every two feet.
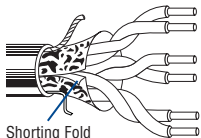
Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	PVC
Insulation Thickness	.010″ (.254mm)
Shield	Beldfoil
Jacket	PVC
Approvals	
NEC	CMR
CEC	CMG FT4
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls

Solid Conductor

Shorting Fold

Stranded Conductor

Shorting Fold

Part No.	No. of Pairs	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Overall Shielded Twisted Pairs (NEC CMR and CEC CMG FT4)										
22 AWG										
5561FE	2	solid	U-1000	U-305	21.0	9.5	.015	.38	.200	5.08
			1000	305	22.0	10.0				
5541FE	2	7	U-500	U-152	11.5	5.2	.015	.38	.209	5.31
			U-1000	U-305	21.0	9.5				
			1000	305	23.0	10.4				
5562FE	3	solid	U-1000	U-305	26.0	11.8	.015	.38	.212	5.38
			1000	305	28.0	12.7				
5542FE	3	7	U-1000	U-305	27.0	12.3	.015	.38	.223	5.66
			1000	305	29.0	13.2				
5563FE	4	solid	U-1000	U-305	33.0	15.0	.015	.38	.246	6.25
5543FE	4	7	1000	305	34.0	15.4	.015	.38	.246	6.25
5545FE	6	7	U-1000	U-305	46.0	20.9	.015	.38	.278	7.06
			1000	305	48.0	21.8				
20 AWG										
5441FE	2	7	500	152	15.0	6.8	.015	.38	.235	5.97
			U-1000	U-305	29.0	13.2				
			1000	305	30.0	13.2				
5442FE	3	7	U-1000	U-305	38.0	17.2	.015	.38	.252	6.40
			1000	305	38.0	17.2				
5445FE	6	7	1000	305	72.0	32.7	.020	.51	.323	8.20
18 AWG										
5341FE	2	7	500	152	21.0	9.5	.015	.38	.270	6.86
			U-1000	U-305	40.0	18.1				
			1000	305	42.0	19.1				
5342FE	3	7	1000	305	52.0	23.6	.015	.38	.275	6.99
5343FE	4	7	1000	305	70.0	31.8	.015	.38	.318	8.08
5345FE	6	7	500	152	52.5	23.9	.020	.51	.373	9.47
			1000	305	103.0	46.8				

Color Code Chart

Pair No.	Color Combination	Pair No.	Color Combination
1	Black & Red	4	Black & Blue
2	Black & White	5	Black & Yellow
3	Black & Green	6	Black & Brown

Security and Alarm Cable
Commercial Applications
Shielded

NEW GENERATION®

Individually Shielded Twisted Pairs
CMR/CMG FT4 Rated

Product Description

Bare copper conductors, PVC insulation. Conductors twisted into pairs and individually shielded with Beldfoil® tape (aluminum side facing in) and a drain wire, multiple pairs cabled together, Gray PVC jacket with rip cord. Sequential footage marking every two feet.
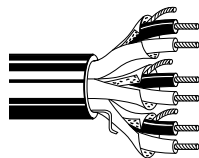
Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	PVC
Insulation Thickness	.010″ (.254mm)
Shield	Beldfoil
Jacket	PVC
Approvals	
NEC	CMR
CEC	CMG FT4
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls

Part No.	No. of Pairs	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Individually Shielded Twisted Pairs (NEC CMR and CEC CMG FT4)										
22 AWG										
5543PE	4	7	1000	305	55.0	25.0	.033	.84	.303	7.70

Color Code Chart

Pair No.	Color Combination
1	Black/Red & Red
2	Black/White & White
3	Black/Green & Green
4	Black/Blue & Blue

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Security and Alarm Cable
Commercial Applications
Shielded

NEW GENERATION®

Shielded
Twisted Pair plus Conductor(s)
CMR/CMG FT4 Rated

Product Description

Bare copper conductors, PVC insulation, Black/Red pair shielded with Beldfoil® tape (aluminum side facing in) and tinned copper drain wire, cabled with additional insulated conductor(s) as indicated, Gray PVC jacket with rip cord. Sequential footage marking every two feet.
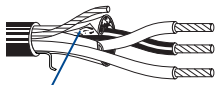
Color Code: Black & Red (shielded pair), White, Green. (5542GE Black & Red, Black & White, Black & Green pairs).
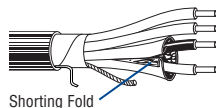
Specifications

Conductor	Bare Copper
Insulation	PVC
Insulation Thickness	.010″ (.254mm)
Shield	Beldfoil
Jacket	PVC
Approvals	
NEC	CMR
CEC	CMG FT4
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls

Shorting Fold

Part No.	No. of Pairs + No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
STP plus Conductor(s) (NEC CMR and CEC CMG FT4)										
22 AWG										
5501GE	1 STP +1/C	7	U-1000	U-305	16.0	7.3	.015	.38	.171	4.34
5502GE	1 STP +2/C	7	U-500	U-152	10.0	4.5	.015	.38	.186	4.72
			U-1000	U-305	19.0	8.6				
			1000	305	19.0	8.6				
5542GE	1 STP +2TP	7	U-1000	U-305	26.0	11.8	.015	.38	.220	5.59
20 AWG										
5401GE	1 STP +1/C	7	1000	305	23.0	10.4	.015	.38	.196	4.98
5402GE	1 STP +2/C	7	U-1000	U-305	26.0	11.8	.015	.38	.200	5.08
18 AWG										
5302GE	1 STP +2/C	7	U-1000	U-305	38.0	17.2	.015	.38	.225	5.72

STP = Shielded Twisted Pair(s) • /C = Conductor(s)

Security and Alarm Cable
Water-Blocked for Use in Underground Ducts

N E W G E N E R A T I O N®

Water-blocked, Shielded Twisted Pair plus Conductor(s)
CM FT1 Rated

Product Description

Tinned copper conductors, PVC insulation, Black/ Red conductors twisted into a pair and shielded with Beldfoil® tape (aluminum side facing in) and drain wire, cabled with additional insulated conductor(s) as indicated, water-blocking tape overall, Gray PVC jacket with rip cord. Sequential footage marking every two feet.

Color Code: Black & Red (shielded pair); White, Green, Brown, Blue.

Specifications

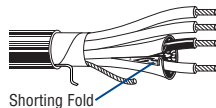|	
Conductor	Tinned Copper
Insulation	PVC
Insulation Thickness	.010″ (.254mm)
Shield	
Twisted Pair	Beldfoil
Overall	Water-blocking Tape
Jacket	PVC
Approvals	
NEC	CM
CEC	CM FT1
NEC Articles	800
Voltage Rating	300V
Temperature Rating	105°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls
- Indoor or Outdoor Use

Solid Conductor

Shorting Fold

Stranded Conductor

Shorting Fold

Water-blocked, STP plus Conductor(s) (NEC CM and CEC CM FT1)

Part No.	No. of Pairs + No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
22 AWG										
5521G1	1 STP +1/C	solid	U-500	U-152	12.0	5.4	.025	.64	.212	5.38
			500	152	13.0	5.9				
			U-1000	U-305	22.0	10.0				
			1000	305	22.0	10.0				
5501G1	1 STP +1/C	7	U-500	U-152	12.0	5.4	.025	.64	.222	5.64
			500	152	12.0	5.4				
			U-1000	U-305	23.0	10.4				
			1000	305	25.0	11.4				
5522G1	1 STP +2/C	solid	U-500	U-152	13.0	6.0	.025	.64	.224	5.69
			500	152	15.0	6.8				
			U-1000	U-305	25.0	11.3				
			1000	305	27.0	12.3				
5502G1	1 STP +2/C	7	U-500	U-152	14.0	6.4	.025	.64	.240	6.10
			500	152	14.0	6.4				
			U-1000	U-305	27.0	12.3				
			1000	305	29.0	13.2				
5504G1	1 STP +4/C	7	U-500	U-152	18.0	8.2	.025	.64	.240	6.10
			500	152	18.5	8.4				
			U-1000	U-305	35.0	15.9				
			1000	305	37.0	16.8				

STP = Shielded Twisted Pair(s) • /C = Conductor(s)

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Security and Alarm Cable
Commercial Applications
Unshielded, Plenum-Rated

NEW GENERATION®

Unshielded Multi-conductor
CMP FT6 Rated

Product Description

Bare copper conductors, Flamarrest® insulation, conductors cabled, Natural Flamarrest jacket, rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	.009" (.229mm)
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls

Solid Conductor

Stranded Conductor

Color Code Chart

Cond. No.	Color	Cond. No.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Purple
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Unshielded Multi-conductor (NEC CMP and CEC CMP FT6)										
22 AWG										
6520UE	2	solid	U-1000	U-305	10.0	4.5	.015	.38	.118	3.00
			1000	305	9.0	4.1				
6500UE	2	7	C-500	C-152	4.5	2.0	.015	.38	.124	3.15
			C-1000	C-305	9.0	4.1				
			U-1000	U-305	10.0	4.5				
			1000	305	10.0	4.5				
6521UE	3	solid	1000	305	13.0	5.9	.015	.38	.125	3.18
6501UE	3	7	U-1000	U-305	14.0	6.4	.015	.38	.131	3.33
			1000	305	13.0	5.9				
6522UE	4	solid	U-500	U-152	8.5	3.9	.015	.38	.136	3.45
			U-1000	U-305	17.0	7.7				
			1000	305	16.0	7.3				
6502UE	4	7	C-500	C-152	8.0	3.6	.015	.38	.143	3.63
			U-500	U-152	9.0	4.1				
			500	152	8.5	3.9				
			U-1000	U-305	17.0	7.7				
			1000	305	17.0	7.7				
6524UE	6	solid	C-500	C-152	10.5	4.8	.015	.38	.162	4.11
			U-1000	U-305	23.0	10.5				
6504UE	6	7	C-500	C-152	11.0	5.0	.015	.38	.171	4.34
			500	152	12.0	5.5				
			U-1000	U-305	24.0	10.9				
			1000	305	24.0	10.9				
6506UE	8	7	U-500	U-152	15.5	7.0	.015	.38	.186	4.72
			U-1000	U-305	30.0	13.6				
			1000	305	31.0	14.1				
6508UE	10	7	U-1000	U-305	37.0	16.8	.015	.38	.218	5.54
			1000	305	43.0	19.5				
6509UE	12	7	U-500	U-152	22.5	10.2	.015	.38	.225	5.72
			U-1000	U-305	43.0	19.5				
			1000	305	45.0	20.4				
20 AWG										
6400UE	2	7	C-500	C-152	6.0	2.7	.015	.38	.138	3.51
			500	152	7.0	3.2				
			U-1000	U-305	14.0	6.4				
			1000	305	14.0	6.4				
6401UE	3	7	U-1000	U-305	19.0	8.6	.015	.38	.146	3.71
			1000	305	18.0	8.2				
			5000	1524	90.0	40.9				
6402UE	4	7	U-1000	U-305	24.0	10.9	.015	.38	.160	4.06
			1000	305	24.0	10.9				
6403UE	5	7	U-1000	U-305	28.0	12.7	.015	.38	.176	4.47
			1000	305	28.0	12.7				
6406UE	8	7	1000	305	44.0	20.0	.015	.38	.209	5.31

Security and Alarm Cable
Commercial Applications
Unshielded, Plenum-Rated

NEW GENERATION®

Unshielded Multi-conductor *(cont'd.)*
CMP FT6 Rated

Product Description

Bare copper conductors, Flamarrest® insulation, conductors cabled, Natural Flamarrest jacket, rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	.009″ (.229mm)
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls

Solid Conductor

Stranded Conductor

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Unshielded Multi-conductor (NEC CMP and CEC CMP FT6)

Part No.	No. of Cond.	Stranding	Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
18 AWG										
6320UE	2	solid	U-1000	U-305	17.0	7.7	.015	.38	.147	3.73
6300UE*	2	7	C-500	C-152	8.0	3.6	.015	.38	.157	3.99
			U-500	U-152	9.5	4.3				
			500	152	9.0	4.1				
			U-1000	U-305	18.0	8.2				
			1000	305	18.0	8.2				
			5000	1520	90.0	40.8				
6321UE	3	solid	U-1000	U-305	24.0	10.9	.015	.38	.156	3.96
			1000	305	24.0	10.9				
6301UE	3	7	500	152	12.5	5.7	.015	.38	.168	4.27
			U-1000	U-305	25.0	11.4				
			1000	305	25.0	11.4				
6322UE	4	solid	U-1000	U-305	30.0	13.6	.015	.38	.171	4.34
6302UE	4	7	C-250	C-76	8.5	3.9	.015	.38	.186	4.72
			C-500	C-152	17.0	7.7				
			U-500	U-152	18.5	8.4				
			500	152	18.5	8.4				
			U-1000	U-305	36.0	16.4				
			1000	305	39.0	17.7				
			5000	1524	180.0	81.7				
6303UE	5	7	U-1000	U-305	39.0	17.7	.015	.38	.203	5.16
			1000	305	40.0	18.1				
6304UE	6	7	U-500	U-152	23.5	10.7	.015	.38	.222	5.64
			500	152	23.0	10.4				
			1000	305	51.0	23.2				
6306UE	8	7	500	152	30.5	13.9	.015	.38	.242	6.15
			1000	305	65.0	29.5				
6307UE	9	7	1000	305	68.0	30.9	.015	.38	.262	6.65
6308UE	10	7	1000	305	75.0	34.1	.015	.38	.286	7.26
6309UE	12	7	1000	305	84.0	38.2	.015	.38	.296	7.52
16 AWG										
6200UE	2	19	500	152	13.0	5.9	.015	.38	.180	4.57
			U-1000	U-305	25.0	11.3				
			1000	305	26.0	11.8				
6201UE	3	19	500	152	18.0	8.2	.015	.38	.191	4.85
			U-1000	U-305	36.0	16.4				
			1000	305	37.0	16.8				
6202UE	4	19	500	152	24.0	10.9	.015	.38	.211	5.36
			U-1000	U-305	46.0	20.9				
			1000	305	52.0	23.6				

*6300UE also available in Gray and Black.

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Color Code Chart

Cond. No.	Color	Cond. No.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Purple
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

Security and Alarm Cable
Commercial Applications
Unshielded, Plenum-Rated

Unshielded Multi-conductor
CL2P Rated

Product Description

Bare copper conductors, Flamarrest® insulation, conductors cabled, Natural Flamarrest jacket, rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	.011″ (.279mm)
Jacket	Flamarrest
Approvals	
NEC	CL2P
NEC Articles	725
Voltage Rating	150V
Temperature Rating	75°C

Applications

• Security Systems
• Intercom/PA Systems
• Sound/Audio Systems
• Power-Limited Controls

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Unshielded Multi-conductor (NEC CL2P)

14 AWG

6100UE	2	19	500	152	19.5	8.8	.015	.38	.222	5.64
			U-1000	U-305	38.0	17.2				
			1000	305	38.0	17.2				
			5000	1524	195.0	88.5				
6101UE	3	19	1000	305	56.0	25.4	.015	.38	.236	5.99
6102UE	4	19	1000	305	73.0	33.2	.015	.38	.261	6.63
12 AWG										
6000UE	2	19	500	152	32.0	14.5	.015	.38	.256	6.50
			1000	305	58.0	26.4				
6001UE	3	19	1000	305	83.0	37.7	.015	.38	.273	6.93
6002UE	4	19	1000	305	111.0	50.4	.018	.46	.308	7.82

Color Code Chart

Cond. No.	Color
1	Black
2	White
3	Red
4	Green

Security and Alarm Cable
Commercial Applications
Shielded, Plenum-Rated

NEW GENERATION®

Shielded Multi-conductor
CMP FT6 Rated

Product Description

Bare copper conductors, Flamarrest® insulation, conductors cabled, overall Beldfoil® tape shield (foil side out) and drain wire, Natural Flamarrest jacket with rip cord. Sequential footage marking every two feet.
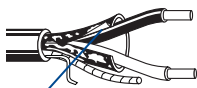
Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	.009" (.229mm)
Shield	Beldfoil
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls

Solid Conductor

Shorting Fold

Stranded Conductor

Shorting Fold

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Shielded Multi-conductor (NEC CMP and CEC CMP FT6)										
22 AWG										
6520FE	2	solid	C-500	C-152	6.0	2.7	.015	.38	.122	3.10
			C-1000	C-305	12.0	5.4				
			U-1000	U-305	13.0	5.9				
			1000	305	13.0	5.9				
6500FE	2	7	C-500	C-152	5.5	2.5	.015	.38	.128	3.25
			U-500	U-152	7.0	3.2				
			500	152	7.0	3.2				
			C-1000	C-305	11.0	5.0				
			U-1000	U-305	13.0	5.9				
			1000	305	13.0	5.9				
6521FE	3	solid	1000	305	16.0	7.3	.015	.38	.129	3.28
6501FE	3	7	500	152	8.0	3.6	.015	.38	.135	3.43
			U-1000	U-305	16.0	7.3				
			1000	305	16.0	7.3				
6502FE	4	7	C-500	C-152	9.0	4.1	.015	.38	.147	3.73
			500	152	10.0	4.5				
			U-1000	U-305	19.0	8.6				
			1000	305	20.0	9.1				
6504FE	6	7	C-500	C-152	9.0	4.1	.015	.38	.175	4.45
			U-500	U-152	13.5	6.1				
			500	152	13.5	6.1				
			U-1000	U-305	26.0	11.8				
			1000	305	26.0	11.8				
6506FE	8	7	U-1000	U-305	33.0	15.0	.015	.38	.190	4.83
			1000	305	35.0	15.9				
6508FE	10	7	U-1000	U-305	40.0	18.1	.015	.38	.222	5.64
			1000	305	42.0	19.0				
20 AWG										
6420FE	2	solid	C-500	C-152	7.0	3.2	.015	.38	.134	3.40
			U-1000	U-305	16.0	7.3				
			1000	305	15.0	6.8				
6400FE	2	7	C-500	C-152	7.5	3.4	.015	.38	.142	3.61
			U-1000	U-305	17.0	7.7				
			1000	305	17.0	7.7				
6401FE	3	7	U-1000	U-305	21.0	9.5	.015	.38	.150	3.81
			1000	305	22.0	10.0				
6402FE	4	7	U-1000	U-305	26.0	11.8	.015	.38	.164	4.17
			1000	305	27.0	12.3				
6405FE	7	7	1000	305	41.0	18.6	.015	.38	.196	4.97
6407FE	9	7	1000	305	52.0	23.6	.015	.38	.229	5.82

20 • New Generation® Cables

Color Code Chart

Cond. No.	Color	Cond. No.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Purple
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

Security and Alarm Cable
Commercial Applications
Shielded, Plenum-Rated

NEW GENERATION®

Shielded Multi-conductor *(cont'd.)*
CMP FT6 Rated or CL2P Rated

Product Description

Bare copper conductors, Flamarrest® insulation, conductors cabled, overall Beldfoil® tape shield (foil side out) and drain wire, Natural Flamarrest jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	
18 and 16 AWG	.009″ (.229mm)
14 and 12 AWG	.011″ (.279mm)
Shield	Beldfoil
Jacket	Flamarrest
Approvals	
NEC (18 and 16 AWG)	CMP
CEC (18 and 16 AWG)	CMP FT6
NEC (14 and 12 AWG)	CL2P
NEC Articles	
18 and 16 AWG	800
14 and 12 AWG	725
Voltage Rating	
18 and 16 AWG	300V
14 and 12 AWG	150V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls

Solid Conductor

Shorting Fold

Stranded Conductor

Shorting Fold

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Shielded Multi-conductor (NEC CMP and CEC CMP FT6)										
18 AWG										
6320FE	2	solid	C-500	C-152	10.5	4.8	.015	.38	.150	3.89
			1000	305	22.0	10.0				
6300FE	2	7	C-500	C-152	11.0	5.0	.015	.38	.162	4.11
			U-500	U-152	12.0	5.4				
			500	152	12.0	5.4				
			U-1000	U-305	23.0	10.4				
			1000	305	23.0	10.4				
6301FE	3	7	U-500	U-152	15.5	7.0	.015	.38	.172	4.37
			U-1000	U-305	30.0	13.6				
			1000	305	31.0	14.1				
6302FE	4	7	C-250	C-76	8.8	4.0	.015	.38	.188	4.78
			U-500	U-152	19.5	8.9				
			500	152	19.0	8.6				
			U-1000	U-305	37.0	16.8				
			1000	305	37.0	16.8				
6304FE	6	7	C-250	C-76	12.0	5.4	.015	.38	.226	5.74
			U-500	U-152	25.5	11.6				
			1000	305	52.0	23.6				
6306FE	8	7	1000	305	66.0	30.0	.015	.38	.246	6.25
6307FE	9	7	500	152	39.5	18.0	.015	.38	.266	6.76
			1000	305	73.0	33.2				
6309FE	12	7	500	152	50.5	22.9	.018	.46	.306	7.77
			1000	305	99.0	45.0				
16 AWG										
6200FE	2	19	500	152	16.5	7.5	.015	.38	.184	4.67
			1000	305	33.0	15.0				
6201FE	3	19	500	152	22.5	10.2	.015	.38	.195	4.95
			U-1000	U-305	43.0	19.5				
			1000	305	45.0	20.5				
6202FE	4	19	500	152	29.0	13.2	.015	.38	.215	5.46
			1000	305	59.0	26.8				

Shielded Multi-conductor (NEC CL2P)

Part No.	No. of Cond.	Stranding	Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
14 AWG										
6100FE	2	19	500	152	25.0	11.3	.015	.38	.220	5.59
			U-1000	U-305	49.0	22.2				
			1000	305	51.0	23.1				
6101FE	3	19	1000	305	66.0	29.9	.015	.38	.234	5.94
12 AWG										
6000FE	2	19	500	152	36.0	16.4	.015	.38	.260	6.60
			1000	305	68.0	30.9				

Color Code Chart (18 to 16 AWG)

Cond. No.	Color	Cond. No.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Purple
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

(14 to 12 AWG)

Cond. No.	Color
1	Black
2	White
3	Red

Security and Alarm Cable
Commercial Applications
Unshielded, Plenum-Rated

NEW GENERATION®

Unshielded Twisted Pairs
CMP FT6 Rated

Product Description

Bare copper conductors, Flamarrest® insulation, twisted into pairs, multiple pairs cabled together, Natural Flamarrest jacket with rip cord. Sequential footage marking every two feet.
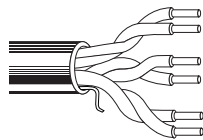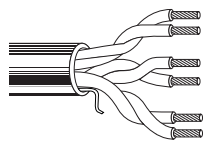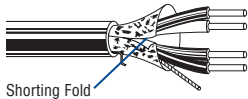
Color Code: See chart below.

Specifications

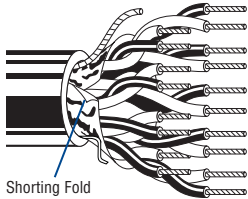|	
Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	.009″ (.229mm)
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls

Solid Conductor

Stranded Conductor

Part No.	No. of Pairs	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Unshielded Twisted Pairs (NEC CMP and CEC CMP FT6)										
22 AWG										
6561UE	2	solid	1000	305	19.0	8.6	.015	.38	.188	4.78
6541UE	2	7	U-1000	U-305	19.0	8.6	.015	.38	.199	5.05
			1000	305	20.0	9.1				
6542UE	3	7	1000	305	27.0	12.2	.015	.38	.212	5.38
6543UE	4	7	1000	305	34.0	15.4	.015	.38	.234	5.94
6545UE	6	7	1000	305	47.0	21.4	.015	.38	.264	6.71
6547UE	9	7	1000	305	69.0	31.4	.018	.46	.318	8.08
18 AWG										
6341UE	2	7	500	152	21.0	9.5	.015	.38	.260	6.60
			U-1000	U-305	36.0	16.3				
			1000	305	38.0	17.3				
6342UE	3	7	U-1000	U-305	48.0	21.8	.015	.38	.278	7.06
			1000	305	50.0	22.7				
6343UE	4	7	500	152	37.5	17.0	.015	.38	.314	7.98
			1000	305	66.0	30.0				
6345UE	6	7	1000	305	95.0	43.2	.018	.46	.355	9.02
6347UE	9	7	1000	305	138.0	62.7	.019	.48	.423	10.74

20 • New Generation® Cables

Color Code Chart

Pair No.	Color Combination	Pair No.	Color Combination
1	Black & Red	6	Black & Brown
2	Black & White	7	Black & Orange
3	Black & Green	8	Red & White
4	Black & Blue	9	Red & Green
5	Black & Yellow		

Security and Alarm Cable
Commercial Applications
Shielded, Plenum-Rated

NEW GENERATION®

Overall Shielded Twisted Pairs
CMP FT6 Rated

Product Description

Bare copper conductors, Flamarrest® insulation, twisted into pairs, multiple pairs cabled together, overall Beldfoil® shield tape (foil side out) with drain wire, Natural Flamarrest jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	.009″ (.229mm)
Shield	Beldfoil
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls

Solid Conductor

Shorting Fold

Stranded Conductor

Shorting Fold

Color Code Chart

Pair No.	Color Combination	Pair No.	Color Combination
1	Black & Red	6	Black & Brown
2	Black & White	7	Black & Orange
3	Black & Green	8	Red & White
4	Black & Blue	9	Red & Green
5	Black & Yellow		

Part No.	No. of Pairs	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Overall Shielded Twisted Pairs (NEC CMP and CEC CMP FT6)										
22 AWG										
6561FE	2	solid	1000	305	21.0	9.5	.015	.38	.193	4.90
6541FE	2	7	U-500	U-152	11.5	5.2	.015	.38	.203	5.16
			U-1000	U-305	22.0	10.0				
			1000	305	23.0	10.4				
6542FE	3	7	U-1000	U-305	28.0	12.7	.015	.38	.216	5.49
			1000	305	29.0	13.2				
6543FE	4	7	U-1000	U-305	35.0	15.9	.015	.38	.238	6.05
			1000	305	41.0	18.6				
6545FE	6	7	U-1000	U-305	48.0	21.8	.015	.38	.268	6.80
			1000	305	50.0	22.7				
6547FE	9	7	1000	305	72.0	32.7	.018	.46	.323	8.20
20 AWG										
6441FE	2	7	1000	305	31.0	14.1	.015	.38	.228	5.79
6443FE	4	7	U-1000	U-305	49.0	22.2	.015	.38	.269	6.83
			1000	305	51.0	23.2				
18 AWG										
6342FE	3	7	500	152	28.0	12.7	.015	.38	.282	7.16
			1000	305	56.0	25.5				
6343FE	4	7	500	152	39.5	18.0	.015	.38	.318	8.08
			1000	305	74.0	33.6				
6345FE	6	7	500	152	50.0	22.7	.018	.46	.359	9.12
			1000	305	101.0	45.9				
6347FE	9	7	1000	305	145.0	65.8	.019	.48	.427	10.85

Security and Alarm Cable
Commercial Applications
Shielded, Plenum-Rated

NEW GENERATION®

Shielded
Twisted Pair plus Conductor(s)
CMP FT6 Rated

Product Description

Bare copper conductors, Flamarrest® insulation, Black/Red twisted pair shielded with Beldfoil® tape (aluminum side facing in), drain wire, cabled with additional insulated conductor(s) as indicated, Natural Flamarrest jacket with rip cord. Sequential footage marking every two feet.
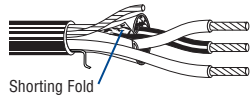
Color Code: Black & Red pair, White, Green.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	.009″ (.229mm)
Shield	Beldfoil
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

• Security Systems
• Intercom/PA Systems
• Sound/Audio Systems
• Power-Limited Controls

Shorting Fold

Part No.	No. of Pairs + No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Shielded Twisted Pair plus Conductor(s) (NEC CMP and CEC CMP FT6)										
22 AWG										
6501GE	1 STP +1/C	7	1000	305	18.0	8.2	.015	.38	.174	4.42
6502GE	1 STP +2/C	7	U-1000 1000	U-305 305	21.0 21.0	9.5 9.5	.015	.38	.180	4.57
20 AWG										
6401GE	1 STP +1/C	7	1000	305	24.0	10.9	.015	.38	.195	4.95

STP = Shielded Twisted Pair(s) • /C = Conductor(s)

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BELDEN

Communication and Control Cable
Pro Audio and Intercom Systems
Unshielded

NEW GENERATION®

Unshielded, Pairs or Multi-conductor
CM FT1 Rated*

Product Description

Bare copper conductors, polypropylene (multiconductor) or polyolefin (paired) insulation, PVC jacket with rip cord (except 5626UG and 5624UG which do not have rip cord).

5500 Series available in Beige, Brown, Orange, Yellow, Green, Blue, Purple, Gray or White jacket colors (except as noted in footnote). Conductors may not be cabled. Sequential footage marking every two feet. **5600 Series** available in Dark Gray.

Color Code: See charts below.

Specifications

Conductor	Bare Copper
Insulation	
Multiconductor	Polypropylene
Paired	Polyolefin
Insulation Thickness	
5500 Series	.0060″ (.152mm)
5600 Series	.0065″ (.165mm)
Jacket	PVC
Approvals	
NEC	CM
CEC	CM FT1*
Voltage Rating	300V

*Only 5520UG and 5522UG are CEC/CM FT1 rated

Applications (5500)
• Security Systems
• Intercom/PA Systems
• Sound/Audio Systems
• Power-Limited Controls
• Single Line Telephone

Applications (5600)
• Nurse Call Systems
• Annunciators
• Voice Systems
• Paging
• Commercial Sound Systems

Paired

Multi-conductor

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Unshielded, Pairs (NEC CM and CEC CM FT1)										
24 AWG, Cat. 5e										
5662UG *new*	6 (3/pr)	solid	1000	304.8	16.0	8.62	—	—	.172	4.37
Unshielded, Multi-conductor (NEC CM and CEC CM)										
24 AWG										
5626UG *new*	8	solid	1000	304.8	29.0	13.15	.030	.762	.093 x .324	2.36 x 8.23
5624UG *new*	6	solid	1000	304.8	19.0	8.62	.024	.610	.081 x .246	2.06 x 6.25
Unshielded Multi-conductor (NEC CM and CEC CM FT1)										
22 AWG										
5522UG† *new*	4	solid	C-500 C-1000	C-152 C-305	6.0 12.0	2.7 5.4	.015	.38	.122	3.10
5520UG *new*	2	solid	C-500 ◆ C-1000	C-152 C-305	3.5 7.0	1.6 3.2	.015	.38	.106	2.69

† 5522UG available in White only.
◆ 5520UG C-500 ft. put-up available in Gray or White only.

Color Code Chart — Paired
(5662UG)

Pair No.	Color Combinations
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green

Color Code Chart
(5626UG)

Cond. No.	Color
1	Yellow
2	Blue
3	Black
4	Orange
5	Red
6	Green
7	White
8	Purple

Color Code Chart
(5624UG)

Cond. No.	Color
1	Blue
2	Black
3	Orange
4	Red
5	Green
6	White

Color Code Chart
(5522UG, 5520UG)

Cond. No.	Color
1	Black
2	Red
3	White
4	Green

Communication and Control Cable

Pro Audio and Intercom Systems
Unshielded, Plenum-Rated

NEW GENERATION®

**Unshielded,
Pairs or Multi-conductor**
CMP FT6 Rated

Product Description

24 AWG solid bare copper conductors,
FEP insulation, Dark Gray Flamarrest® jacket
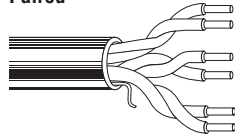with rip cord.

Color Code: See Charts below.

Specifications

Conductor	Bare Copper
Insulation	FEP
Insulation Thickness	.007″ (.178mm)
Jacket	Flamarrest
Nominal Capacitance	15 pF/ft.
Approvals	
NEC	CMP
CEC	CMP FT6
Voltage Rating	300V

Applications

• Nurse Call Systems
• Commercial Sound Systems
• Annunciators
• Voice Systems
• Paging

Paired

Multi-conductor

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Plenum-rated, Unshielded, Pairs (NEC CMP and CEC CMP FT4, FT6)										
24 AWG, Cat. 5e										
6662UG new	6 (3/pr)	solid	1000	304.8	23.0	10.4	—	—	.165	4.19
Plenum-rated, Unshielded, Multi-conductor (NEC CMP and CEC CMP FT6)										
24 AWG										
6626UG new	8	solid	1000	304.8	28.0	12.70	.019	.483	.072 x .310	1.83 x 7.87
6624UG new	6	solid	1000	304.8	21.0	9.53	.019	.483	.072 x .246	1.83 x 6.25

Color Code Chart
(6662UG)

Pair No.	Color Combinations
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green

Color Code Chart
(6626UG)

Cond. No.	Color
1	Yellow
2	Blue
3	Black
4	Orange
5	Red
6	Green
7	White
8	Purple

Color Code Chart
(6624UG)

Cond. No.	Color
1	Blue
2	Black
3	Orange
4	Red
5	Green
6	White

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Communication and Control Cable
Pro Audio and Intercom Systems
Shielded, Plenum-Rated

NEW GENERATION®

Shielded Multi-conductor
CMP FT6 Rated

Product Description

Bare copper conductors, FEP insulation, conductors cabled with a Beldfoil® shield tape (foil side out) and drain wire. Natural Flamarrest® jacket with rip cord. Sequential footage marking every two feet.
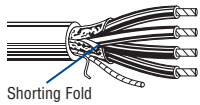
Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	FEP
Insulation Thickness	
22 AWG	.0055″ (.140mm)
20 AWG	.0060″ (.152mm)
18 AWG	.0060″ (.152mm)
Shield	Beldfoil
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Pro Audio Systems
- Intercom/PA Systems
- Security Systems

Shorting Fold

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Shielded Multi-conductor (NEC CMP and CEC CMP FT6)										
22 AWG										
6500FC	2	7	U-1000	U-305	11.0	5.0	.015	.38	.116	2.95
			1000	305	11.0	5.0				
6502FC	4	7	1000	305	18.0	8.2	.015	.38	.133	3.38
20 AWG										
6400FC	2	7	U-1000	U-305	15.0	6.8	.015	.38	.133	3.38
18 AWG										
6300FC	2	7	U-1000	U-305	23.0	10.4	.017	.42	.155	3.94
			1000	305	22.0	10.0				
6302FC	4	7	U-1000	U-305	34.0	15.5	.017	.42	.179	4.55
			1000	305	36.0	16.3				

Color Code Chart

Cond No.	Color
1	Black
2	Red
3	White
4	Green

Communication and Control Cable
Pro Audio and Intercom Systems
Overall Shielded, Plenum-Rated

NEW GENERATION®

Overall Shielded Pairs
CMP FT6 Rated

Product Description

Bare copper conductors, FEP insulation, twisted pairs cabled with a Beldfoil® shield tape (foil side out) and drain wire. Natural Flamarrest® jacket.

Color Code: Black & Red and Black & White pairs.

Specifications

Conductor	Bare Copper
Insulation	FEP
Insulation Thickness	.0060″ (.152mm)
Shield	Beldfoil
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

• Pro Audio Systems
• Intercom/PA Systems
• Security Systems

Part No.	No. of Pairs	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Overall Shielded Pairs (NEC CMP and CEC CMP FT6)

24 AWG										
6641FC	2	7	U-500	U-152	8.0	3.6	.015	.38	.164	4.17

Communication and Control Cable
Pro Audio and Intercom Systems
Individually Shielded, Plenum-Rated

NEW GENERATION®

Individually Shielded Twisted Pairs
CMP FT6 Rated

Product Description

Bare copper conductors, FEP insulation
(per table). Conductors twisted into pairs and
individually shielded with Beldfoil® tape (aluminum
side facing in) and a drain wire, multiple pairs
cabled together, Gray Fluorocopolymer (22 AWG)
or Natural Flamarrest® (18 AWG) jacket, rip cord.
Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	FEP
Insulation Thickness	.010″ (.254mm)
Shield	Beldfoil
Jacket	
22 AWG	Gray Fluorocopolymer
18 AWG	Natural Flamarrest
Nominal Capacitance	
22 AWG	27.5 pF/ft.
18 AWG	44 pF/ft.
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

• Security Systems
• Intercom/PA Systems
• Sound/Audio Systems
• Power-Limited Controls
• Analog Multi-pair Snakes
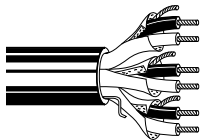
Part No.	No. of Pairs	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Individually Shielded Twisted Pairs (NEC CMP and CEC CMP FT6)										
22 AWG										
6541PA	2	7	500	152	13.5	6.1	.015	.38	.214	5.44
			U-1000	U-305	26.0	11.8				
			1000	305	27.0	12.3				
6542PA	3	7	1000	305	36.0	16.3	.015	.38	.228	5.79
6543PA	4	7	1000	305	45.0	20.4	.015	.38	.252	6.40
6545PA	6	7	1000	305	60.0	27.2	.015	.38	.300	7.62
6546PA	8	7	1000	305	85.0	38.6	.017	.42	.332	8.43
6548PA	12	7	1000	305	125.0	56.8	.017	.42	.408	10.36
6549PA	16	7	1000	305	162.0	73.5	.017	.42	.457	11.61
18 AWG										
6341PC	2	7	500	152	26.5	12.0	.017	.42	.281	7.14
			U-1000	U-305	47.0	21.3				
			1000	305	49.0	22.2				
6342PC	3	7	500	152	32.0	14.5	.017	.42	.300	7.62
			1000	305	64.0	29.0				
6343PC	4	7	1000	305	83.0	37.7	.017	.42	.332	8.43
6345PC	6	7	500	152	66.5	30.2	.019	.48	.402	10.21
			1000	305	132.0	59.9				

Color Code Chart

Pair No.	Color Combination
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow

Pair No.	Color Combination
6	Black & Brown
7	Black & Orange
8	Red & White
9	Red & Green
10	Red & Blue

Pair No.	Color Combination
11	Red & Yellow
12	Red & Brown
13	Red & Orange
14	Green & White
15	Green & Blue
16	Green & Yellow

Thermostat & Control Cable
Commercial Applications
Shielded

Overall Shielded Twisted Pairs
CMR/CMG FT4 Rated

Product Description

Tinned copper conductors, Datalene® insulation. Conductors twisted into pairs, overall Beldfoil® shield (100% coverage), tinned copper drain wire, overall Brown PVC jacket. Sequential footage marking every two feet.

Color Code: Black & White, Green & Red.

Specifications

Conductor	Bare Copper
Insulation	Datalene
Shield	Beldfoil
Jacket	PVC
Approvals	
NEC	CMR
CEC	CMG FT4
Voltage Rating	300V
Temperature Rating	75°C

Applications

• Thermostat and control cable

Stranded Conductor

Solid Conductor

Part No.	No. of Pairs	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Overall Shielded Twisted Pairs (NEC CMR and CEC CMG FT4)										
24 AWG										
5660FT	1	solid	1000	305	11.0	5.0	.015	.38	.138	3.50
5661PT	2	solid	1000	305	18.0	8.2	.015	.38	.165	4.19
22 AWG										
5540FT	1	7	1000	305	15.0	6.8	.015	.38	.172	4.37
5541PT	2	7	1000	305	25.0	11.3	.015	.38	.202	5.13
18 AWG										
5340FT	1	7	1000	305	34.0	15.4	.015	.38	.260	6.60
5341PT	2	7	1000	305	58.0	26.3	.015	.38	.308	7.82

Thermostat & Control Cable
Commercial Applications
Shielded, Plenum-Rated

NEW GENERATION®

Overall Shielded Twisted Pairs
CMP FT6 Rated

Product Description

Tinned copper conductors, Foam Fluorinated Ethylene Propylene (FFEP) insulation. Conductors twisted into pairs, overall Beldfoil® shield (100% coverage), tinned copper drain wire, overall Brown Flamarrest® jacket. Sequential footage marking every two feet.

Color Code: Black & White, Green & Red.

Specifications

Conductor	Bare Copper
Insulation	FFEP
Shield	Beldfoil
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
Voltage Rating	300V
Temperature Rating	75°C

Applications

• Thermostat and control cable

Stranded Conductor

Solid Conductor

Part No.	No. of Pairs	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Overall Shielded Twisted Pairs (NEC CMP and CEC CMP FT6)										
24 AWG										
6660FT	1	solid	1000	305	11.0	5.0	.015	.38	.128	3.25
6661PT	2	solid	1000	305	19.0	8.6	.015	.38	.155	3.94
22 AWG										
6540FT	1	7	1000	305	32.0	6.8	.015	.38	.162	4.12
6541PT	2	7	1000	305	28.0	12.7	.015	.38	.192	4.88
18 AWG										
6340FT	1	7	1000	305	32.0	6.8	.015	.38	.260	6.60
6341PT	2	7	1000	305	60.0	27.2	.015	.38	.280	7.11

Access Control Banana Peel® Cable
Lock Power, Card Reader, Door Contact, REX Applications
Plenum-Rated

NEW GENERATION®

**Composite
Shielded Multi-Conductors**
CMP FT6 Rated

Product Description

Stranded bare copper conductors, Flamarrest® insulation and jackets. No overall jacket. All cables are Beldfoil® shielded (100% coverage) with drain wire and rip cord. Cable jackets are color coded by application. Individual jacket is sequentially marked at two foot intervals.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Shield	Beldfoil
Individual Jackets	Flamarrest
Overall Jacket	None
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Power-Limited Controls
- Access Control
- Card Reader
- Lock Power
- Door Control
- REX

Part No.	Component Descriptions	Insulation Material & (Color Code)	Jacket Material & Component OD		Overall Nom. OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Composite Shielded Multi-Conductors (NEC CMP and CEC CMP FT6)

(3) Shielded Multi-Conductors • (1) Shielded Multi-Pair

Part No.	Component Descriptions	Insulation Material & (Color Code)	Jacket Material & Component OD		Overall Nom. OD		Standard Lengths		Standard Unit Weight	
658AFS new	(1) 3-Pair 22 AWG Stranded (7x30) Bare Copper Shielded	Flamarrest (Black & Red, White & Green, Orange & Brown)	Orange Flamarrest .218	5.54	.420	10.67	500 1000	152 304	60 113	27.2 51.3
	(1) 2-Cond. 22 AWG Stranded (7x30) Bare Copper Shielded	Flamarrest (Black, Red)	White Flamarrest .131	3.33						
	(1) 4-Cond. 22 AWG Stranded (7x30) Bare Copper Shielded	Flamarrest (Black, Red, White, Green)	Blue Flamarrest .150	3.81						
	(1) 4-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded	Flamarrest (Black, Red, White, Green)	Gray Flamarrest .191	4.85						
638AFS new	(1) 3-Pair 18 AWG Stranded (7x26) Bare Copper Shielded	Flamarrest (Black & Red, White & Green, Orange & Brown)	Orange Flamarrest .291	7.39	.542	13.77	1000	305	189	85.7
	(1) 2-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded	Flamarrest (Black, Red)	White Flamarrest .168	4.27						
	(1) 4-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded	Flamarrest (Black, Red, White, Green)	Blue Flamarrest .197	5.00						
	(1) 4-Cond. 16 AWG Stranded (19x30) Bare Copper Shielded	Flamarrest (Black, Red, White, Green)	Gray Flamarrest .224	5.69						

U.S. Patent 7,049,523

Individual Cable Jacket Color Coding System

Jacket Color	Print Legend	Cable Type
Orange	Card Reader	3/P, 18 or 22 AWG, Shielded
White	Door Contact	2/C, 18 or 22 AWG, Shielded
Blue	Rex/Spare	4/C, 18 or 22 AWG, Shielded
Gray	Lock Power	4/C, 16 or 18 AWG, Shielded

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Access Control Banana Peel® Cable

Lock Power, Card Reader, Door Contact, REX Applications
Riser-Rated

NEW GENERATION®

**Composite
Shielded Multi-Conductors**
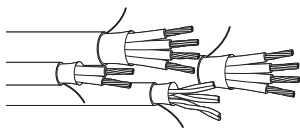CMR/CMG Rated

Product Description

Stranded bare copper conductors, PVC or Flame-retardant PVC insulation and jackets. No overall jacket. All cables are Beldfoil® shielded (100% coverage) with drain wire and rip cord. Cable jackets are color coded by application. Individual jacket is sequentially marked at two foot intervals.

Specifications

Conductor	Bare Copper
Insulation	PVC or FR-PVC
Shield	Beldfoil
Individual Jackets	PVC or FR-PVC
Overall Jacket	None
Approvals	
NEC	CMR
CEC	CMG
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

• Security Systems
• Power-Limited Controls
• Access Control
• Card Reader
• Lock Power
• Door Control
• REX

Composite Shielded Multi-Conductors (NEC CMR and CEC CMG)

Part No.	Component Descriptions	Insulation Material & (Color Code)	Jacket Material & Component OD		Overall Nom. OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
(3) Shielded Multi-Conductors • (1) Shielded Multi-Pair										
558AFS new	(1) 3-Pair 22 AWG Stranded (7x30) Bare Copper Shielded	F-R PVC (Black & Red, White & Green, Orange & Brown)	Orange FR-PVC .233	5.92	.448	11.38	500 1000	152 305	59 108	26.5 49.0
	(1) 2-Cond. 22 AWG Stranded (7x30) Bare Copper Shielded	F-R PVC (Black, Red)	White FR-PVC .140	3.56						
	(1) 4-Cond. 22 AWG Stranded (7x30) Bare Copper Shielded	F-R PVC (Black, Red, White, Green)	Blue FR-PVC .161	4.09						
	(1) 4-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded	F-R PVC (Black, Red, White, Green)	Gray FR-PVC .202	5.13						
538AFS new	(1) 3-Pair 18 AWG Stranded (7x26) Bare Copper Shielded	PVC (Black & Red, White & Green, Orange & Brown)	Orange PVC .285	7.24	.516	13.11	1000	305	182	82.6
	(1) 2-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded	PVC (Black, Red)	White PVC .175	4.45						
	(1) 4-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded	PVC (Black, Red, White, Green)	Blue PVC .202	5.13						
	(1) 4-Cond. 16 AWG Stranded (19x30) Bare Copper Shielded	PVC (Black, Red, White, Green)	Gray PVC .230	5.84						

F-R = Flame-retardant

U.S. Patent 7,049,523

Individual Cable Jacket Color Coding System

Jacket Color	Print Legend	Cable Type
Orange	Card Reader	3/P, 18 or 22 AWG, Shielded
White	Door Contact	2/C, 18 or 22 AWG, Shielded
Blue	Rex/Spare	4/C, 18 or 22 AWG, Shielded
Gray	Lock Power	4/C, 16 or 18 AWG, Shielded

Security Coaxial Cable
Surveillance and CCTV Applications
Shielded or Flooded for Use in Underground Ducts

NEW GENERATION®

Coax
CM FT1 Rated

Product Description

Bare copper conductor, foam polyethylene insulation, bare copper braid shield. Black PVC jacket. Sequential footage marking every two feet.

Water-blocked Coax
CM FT1 Rated

Product Description

Bare copper conductor, foam polyolefin insulation, foil plus braid shield as shown per item, braid impregnated with CoreGuard® flame retardant flooding compound, Black UV resistant PVC jacket. Sequential footage marking every two feet.

Specifications

Conductor	Bare Copper
Insulation	FPE
Shield	
Coax	Bare Copper Braid
Water-blocked Coax	Foil + Braid
Jacket	PVC
Approvals	
NEC	CM
CEC	CM FT1
NEC Articles	800
Nominal Impedance	75Ω
Temperature Rating	75°C

Applications

- CCTV
- Video Security Coax

Solid Conductor

Stranded Conductor

Water-blocked
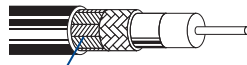
CoreGuard

Part No.	AWG	Stranding and Conductor	Shield/ Braid Coverage	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
				Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
Coax (NEC CM and CEC CM FT1)											
Mini RG-59 Type											
573945*	25	solid BC	94% BC	.085	2.16	.146	3.71	U-1000 1000	U-305 305	15.0 14.0	6.8 6.4
RG-59 Type											
551945	22	7/w BC	95% BC	.140	3.56	.232	5.89	U-1000 1000	U-305 305	33.0 30.0	15.0 13.6
543945*	20	solid BC	95% BC	.145	3.68	.232	5.89	U-500 500 U-1000 1000	U-152 152 U-305 305	12.5 13.0 25.0 31.0	5.7 6.0 11.3 14.1
RG-6 Type											
533945*	18	solid BC	95% BC	.180	4.57	.266	6.76	500 U-1000 1000	152 U-305 305	21.0 40.0 41.0	9.5 18.1 18.6
RG-11 Type											
513945	14	solid BC	95% BC	.280	7.11	.405	10.29	500 1000	152 305	52.5 98.0	23.8 44.5

Water-blocked Coax (NEC CM and CEC CM FT1)

Part No.	AWG	Stranding and Conductor	Shield/ Braid Coverage	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
RG-59 Type											
5439W5	20	solid BC	Duobond®II + 95% tinned copper braid	.145	3.68	.236	5.99	U-500 500 U-1000 1000	U-152 152 U-305 305	17.5 17.5 34.0 34.0	7.9 7.9 15.4 15.4
RG-6 Type											
5339W5	18	solid BC	Duofoil® + 60% aluminum braid	.180	4.57	.270	6.86	U-500 500 U-1000 1000	U-152 152 U-305 305	15.5 15.5 30.0 30.0	7.0 7.0 13.6 13.6

BC = Bare Copper

*Available in other jacket colors. Consult **www.belden.com**.

20 • New Generation® Cables

Security Composite Cable
CCTV plus Audio or Power or Pan and Tilt CCTV Control Applications
Plenum-Rated and Non-Plenum

NEW GENERATION®

Non-Plenum Composite Coax plus Twisted Pair
CM FT1 or CMG-LS FT4 Rated

Product Description

Coax: Solid bare copper conductor, foam polyolefin insulation, bare copper braid shield. Black PVC jacket (1306SB has Black LSZH jacket).

Pair: Stranded bare copper conductor, PVC insulation, Black PVC jacket. (1306SB has polypropylene insulation. Black LSZH jacket.) Color coded: Black & Red.

Plenum-Rated Composite Coax plus Twisted Pair
CMP FT6 Rated

Product Description

Coax: Solid bare copper conductor, FEP insulation, bare copper braid shield, Natural Flamarrest® jacket.

Pair: Stranded FEP insulation, Natural Flamarrest jacket.Color coded: Black & Red.

Coax and pair in Siamese configuration.
Sequential footage marking every two feet.

Specifications

Conductor	Bare Copper
Insulation (Non-Plenum)	
Coax	FPO
Pair	PVC
Insulation (Plenum)	FEP
Shield (Coax)	Bare Copper Braid
Jacket	
Non-Plenum	PVC
Plenum	Flamarrest
Approvals (Non-Plenum)	
NEC	CM
CEC	CM FT1
Approvals (LSZH)	
NEC	CMG-LS
CEC	CMG-LS FT4 Limited Smoke
Approvals (Plenum)	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Nominal Impedance (Coax)	75Ω
Temperature Rating	75°C

Applications

- CCTV plus Audio or Power
- Pan, Tilt and Zoom CCTV Control

Part No.	AWG	Stranding and Conductor	Shield/ Braid Coverage	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
				Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

CM-Rated Composite (NEC CM and CEC CM FT1)

Part No.	AWG	Stranding and Conductor	Shield/ Braid Coverage	Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
Mini RG-59 Type											
579945 new	25(cx)	solid BC	95% BC	.085	2.16	.151	3.84	500	152	15.0	6.8
	20(pr)	7/w BC	unshielded	.056	1.42	x .332	x 8.43	1000	305	29.0	13.2
RG-59 Type											
549945	20(cx)	solid BC	95% BC	.145	3.68	.232	5.89	500	152	30.0	13.6
	18(pr)	7/w BC	unshielded	.066	1.68	x .460	x 11.68	1000	305	60.0	27.3
RG-6 Type											
539945	18(cx)	solid BC	95% BC	.180	4.57	.266	6.76	500	152	34.0	15.5
	18(pr)	7/w BC	unshielded	.066	1.68	x .500	x 12.70	1000	305	69.0	31.3

CMG-LS -Rated Composite (NEC CMG-LS and CEC CMG-LS FT4 Limited Smoke)

Part No.	AWG	Stranding and Conductor	Shield/ Braid Coverage	Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
RG-6 Type											
1306SB new	18(cx)	solid BC	95% BC	.180	4.57	.275	6.99	500	152	37.0	16.8
	18(pr)	7/w BC	unshielded	.059	1.59	x .514	x 13.06	1000	305	76.0	34.5

Plenum-Rated Composite (NEC CMP and CEC CMP FT6)

Part No.	AWG	Stranding and Conductor	Shield/ Braid Coverage	Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
Mini RG-59 Type											
679948* new	25(cx)	solid BC	95% BC	.078	1.98	.144	3.66	500	152	16.5	7.4
	20(pr)	7/w BC	unshielded	.048	1.22	x .328	x 8.33	1000	305	34.0	15.5
RG-59 Type											
649948	20(cx)	solid BC	95% BC	.134	3.40	.199	5.05	500	152	29.0	13.2
	18(pr)	7/w BC	unshielded	.059	1.50	x .383	x 9.72	1000	305	54.0	24.5
RG-6 Type											
639948	18(cx)	solid BC	95% BC	.170	4.32	.232	5.89	500	152	32.0	14.5
	18(pr)	7/w BC	unshielded	.059	1.50	x .416	x 10.57	1000	305	60.0	27.2

BC = Bare Copper • cx = Coax • pr = Pair • LSZH = Low-Smoke, Zero-Halogen

*679948 also available in White.

Security Coaxial Cable
CCTV and Card Reader/Sensor Applications
Plenum-Rated

NEW GENERATION®

Plenum-Rated Coax
CMP FT6 Rated

Product Description

Bare copper or copper-covered steel conductor, foam FEP insulation, bare copper braid shield. Natural Flamarrest® jacket (except 613948 which is White fluorocopolymer). Sequential footage marking every two feet.
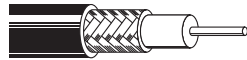
Specifications

Conductor	Solid BC or BCCS
Insulation	Foam FEP
Shield	Bare Copper Braid
Jacket	Flamarrest†
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Nominal Impedance	75Ω
Nominal Impedance (6539Y8 only)	93Ω
Temperature Rating	75°C

†613948 jacket is White fluorocopolymer.

Applications

• CCTV
• Card Reader/Sensor (6539Y8)

Plenum-Rated Coax for CCTV (NEC CMP and CEC CMP FT6)

Part No.	AWG	Stranding and Conductor	Shield/ Braid Coverage	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
				Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
Mini RG-59 Type											
673948	25	solid BC	95% BC	.078	1.98	.146	3.71	U-500	U-152	9.0	4.1
								U-1000	U-305	17.0	7.7
								1000	305	17.0	7.7
RG-59 Type											
643948*	20	solid BC	95% BC	.135	3.43	.193	4.90	U-500	U-152	16.0	7.3
								500	152	17.5	8.0
								U-1000	U-305	30.0	13.6
								1000	305	32.0	14.5
RG-6 Type											
633948	18	solid BC	95% BC	.170	4.32	.228	5.79	U-500	U-152	20.5	9.8
								500	152	20.5	9.8
								U-1000	U-305	40.0	18.1
								1000	305	42.0	19.1
RG-11 Type											
613948	14	solid BC	95% BC	.274	6.96	.348	8.84	500	152	44.5	20.2
								1000	305	90.0	40.9

*643948 also available in Black jacket.

Plenum-Rated Coax for Card Readers/Sensors (NEC CMP, CEC CMP FT6)

Part No.	AWG	Stranding and Conductor	Shield/ Braid Coverage	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
				Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
RG-62 Type											
6539Y8	22	solid BCCS	95% BC	.146	3.71	.204	5.18	U-1000	U-305	31.0	14.1
								1000	305	33.0	15.0

BC = Bare Copper • BCCS = Bare Copper-covered Steel

20 • New Generation® Cables

Security UTP Cable
CCTV Fixed and PTZ Applications
Riser-Rated

NEW GENERATION®

Non-Plenum
CM FT1 or CMR FT4 Rated

Product Description

Solid bare copper conductors, unshielded twisted pairs, polyolefin insulation, PVC jacket with rip cord. Sequential footage marking every two feet.

Specifications

Conductor	Solid Bare Copper
Shield	Unshielded
Jacket	PVC
Approvals	
NEC	CM or CMR
CEC	CM FT1 or CMR FT4
Nominal Impedance	100Ω
Temperature Rating	80°C

Applications:

- 100BaseTX
- 100BaseVG ANYLAN
- 155ATM
- 622ATM
- AES/EBU
- Digital Video, RS-422
- Gigabit Ethernet
- NTSC/PAL Component or Composite Video
- Premise Horizontal Cable
- CCTV UTP
- PTZ
- Pan/Tilt/Zoom

Part No.	Component Descriptions	Insulation Material	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Non-Plenum (NEC CM and CEC CM FT1)

Part No.	Component Descriptions	Insulation Material	Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
Category 5e										
1583A new	4-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.008	0.20	.195	4.95	U-1000 1000 1640 3000	U-305 305 500 915	21.0 21.0 34.4 63.0	9.5 9.5 15.7 28.6
1500A new	4-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.008	0.20	.200	5.08	A-1000 1000	A-305 305	26.0 23.0	11.8 10.4

Non-Plenum (NEC CMR and CEC CMR FT4)

Part No.	Component Descriptions	Insulation Material	Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
Category 5e										
1583R new	4-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.007	0.18	.197	5.00	U-1000 1000 3000	U-305 305 915	22.0 22.0 63.0	10.0 10.0 28.6
1500R new	4-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.007	0.18	.194	5.00	A-1000 1000	A-305 305	27.0 24.0	12.2 10.9
Category 6										
7881A new	4-Pair UTP 23 AWG Solid Bare Copper Cond.	Polyolefin	.010	0.18	.235	5.97	A-1000 1000	A-305 305	33.0 30.0	15.0 13.6

UTP = Unshielded Twisted Pair

Refer to **www.belden.com** for jacket colors and put-ups.

Color Code Chart

Pair No.	Color Combinations
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Security UTP Cable
CCTV Fixed and PTZ Applications
Plenum-Rated

NEW GENERATION®

Plenum-Rated
CMP FT6 Rated

Product Description

Solid bare copper conductors, unshielded twisted pairs, FEP Teflon® insulation, Flamarrest® jacket with rip cord. Sequential footage marking every two feet.

Specifications

Conductor	Solid Bare Copper
Shield	Unshielded
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Nominal Impedance	100Ω
Temperature Rating	75°C

Applications:

- 100BaseTX
- 100BaseVG ANYLAN
- 155ATM
- 622ATM
- AES/EBU
- Digital Video, RS-422
- Gigabit Ethernet
- NTSC/PAL Component or Composite Video
- Premise Horizontal Cable
- CCTV UTP
- Pan/Tilt/Zoom (PTZ)

Part No.	Component Descriptions	Insulation Material	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Plenum-Rated (NEC CMP and CEC CMP FT6)

Part No.	Component Descriptions	Insulation Material	Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
Category 5e										
1585A (new)	4-Pair UTP 24 AWG Solid Bare Copper Cond.	FEP Teflon	.007	0.18	.195	4.95	U-1000 1000 3000	U-305 305 915	23.0 24.0 69.0	10.4 10.9 31.3
1501A (new)	4-Pair UTP 24 AWG Solid Bare Copper Cond.	FEP Teflon	.008	0.20	.195	4.95	A-1000 1000	A-305 305	26.0 23.0	11.8 10.4
Category 6										
7882A (new)	4-Pair UTP 23 AWG Solid Bare Copper Cond.	FEP Teflon	.009	0.23	.224	5.69	A-1000 1000	A-305 305	32.0 29.0	14.5 13.2

UTP = Unshielded Twisted Pair

Refer to **www.belden.com** for jacket colors and put-ups.

Color Code Chart

Pair No.	Color Combinations
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Teflon is a DuPont trademark.

20 • New Generation® Cables

Pan/Tilt/Zoom Banana Peel® Composite
CCTV plus Audio or Power or Pan and Tilt CCTV Control Applications
Riser-Rated

NEW GENERATION®

Composite Coax, Pair and Multi-Conductors
CMR/CMG FT4 Rated

Product Description

(1) Coax: 20 AWG solid bare copper conductor, gas-injected foam high-density polyethylene insulation, bare copper braid shield (95% coverage), Black PVC jacket.

(1) Pair: 23 AWG solid bare copper conductors, polyolefin insulation, Blue PVC jacket. Color code: White/Blue Stripe & Blue. Category 5e tested.
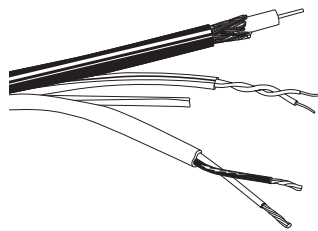
(2) Conductors: 18 AWG stranded (7x26) bare copper conductors, PVC insulation, White flame-retardant PVC jacket. Color code: Black & Red.

Specifications

Conductor	Bare Copper
Application Shielding	
Video	Bare Copper Braid
Control	Unshielded
Power	Unshielded
Component Jackets	PVC
Overall Jacket	None
Approvals	
NEC	CMR
CEC	CMG FT4
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- CCTV plus Control and Power
- Pan, Tilt and Zoom CCTV Control

Composite (NEC CMR and CEC CMG FT4)

Part No.	Component Descriptions	Insulation Material & Shielding	Component Nom. OD		Overall Nom. OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
RG-59/U 20 AWG Coax • Cat. 5e 23 AWG Pair • 18 AWG Cond.										
500PTZ new	(1) Coax: RG-59/U 20 AWG (solid) Bare Copper Cond.	Gas-injected Foam HDPE, Bare Copper Braid Shield (95% coverage)	.227	5.57	.411	10.4	500 1000	152 305	38.5 71.0	17.5 32.3
	(1) 1-Pair 23 AWG (solid) Bare Copper Cond.	Polyolefin, Unshielded	.118	3.00						
	(1) 2-Cond. 18 AWG Stranded (7x26) Bare Copper Cond.	PVC, Unshielded	.171	4.34						

HDPE = High-density Polyethylene

U.S. Patent 7,049,523

Individual Cable Jacket Color Coding System

Jacket Color	Cable Type
Black	Coax, RG-59/U, 20 AWG, 95% Braid
Blue	1/P, 23 AWG, Unshielded
White	2/C, 18 AWG, Unshielded

Pan/Tilt/Zoom Banana Peel® Composite

CCTV plus Audio or Power or Pan and Tilt CCTV Control Applications
Plenum-Rated

NEW GENERATION®

Composite Coax,
Pair and Multi-Conductors
CMP FT6 Rated

Product Description

(1) Coax: 20 AWG solid bare copper conductor, Foam Perfluoroalkoxy (FPFA) insulation, bare copper braid shield (95% coverage), Black Flamarrest® jacket.

(1) Pair: 23 AWG solid bare copper conductors, FEP insulation, Blue Flamarrest jacket. Color code: White/Blue Stripe & Blue. Category 5e tested.
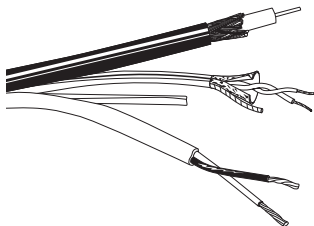
(2) Conductors: 18 AWG stranded (7x26) bare copper conductors, Flamarrest insulation, White Flamarrest jacket. Color code: Black & Red.

Specifications

Conductor	Bare Copper
Application Shielding	
Video	Bare Copper Braid
Control	Unshielded
Power	Unshielded
Component Jackets	Flamarrest
Overall Jacket	None
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

• CCTV plus Control and Power
• Pan, Tilt and Zoom CCTV Control

Individual Cable Jacket Color Coding System

Jacket Color	Cable Type
Black	Coax, RG-59/U, 20 AWG, BC Braid (95%)
Blue	1/P, 23 AWG, Unshielded
White	2/C, 18 AWG, Unshielded

Part No.	Component Descriptions	Insulation Material & Shielding	Component Nom. OD		Overall Nom. OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Plenum-rated Composite (NEC CMP and CEC CMP FT6)

Part No.	Component Descriptions	Insulation Material & Shielding	Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
RG-59/U 20 AWG Coax • Cat. 5e 23 AWG Pair • 18 AWG Cond.										
600PTZ new	(1) Coax: RG-59/U 20 AWG (solid) Bare Copper Cond.	FPFA, Bare Copper Braid Shield (95% coverage)	.193	4.90	.351	8.9	500 1000	152 305	38.5 71.0	17.5 32.2
	(1) 1-Pair 23 AWG (solid) Bare Copper Cond.	FEP, Unshielded	.116	2.95						
	(1) 2-Cond. 18 AWG Stranded (7x26) Bare Copper Cond.	Flamarrest, Unshielded	.158	4.01						

FEP = Fluorinated Ethylene Propylene • FPFA = Foam Perfluoroalkoxy

U.S. Patent 7,049,523

20 • New Generation® Cables

Pan/Tilt/Zoom Banana Peel® Composite
CCTV plus Audio or Power or Pan and Tilt CCTV Control Applications
Riser-Rated

NEW GENERATION®

Composite Coax,
Pair and Multi-Conductors
CMR/CMG FT4 Rated

Product Description

(1) Coax: 20 AWG solid bare copper conductor, gas-injected foam high-density polyethylene insulation, bare copper braid shield (95% coverage), Black PVC jacket.

(1) Pair: 22 AWG stranded (7x30) bare copper conductors, polyolefin insulation, Beldfoil® shield (100% coverage), Blue PVC jacket. Color code: White/Blue Stripe & Blue. Category 5e tested.
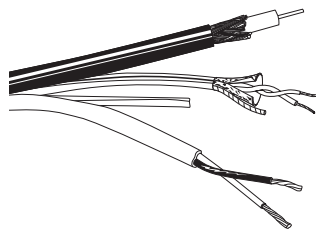
(2) Conductors: 18 AWG stranded (7x26) bare copper conductors, PVC insulation, White flame-retardant PVC jacket. Color code: Black & Red.

Specifications

Conductor	Bare Copper
Application Shielding	
Video	Bare Copper Braid
Control	Aluminum/Polyester
Power	Unshielded
Component Jackets	PVC
Overall Jacket	None
Approvals	
NEC	CMR
CEC	CMG FT4
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

• CCTV plus Control and Power
• Pan, Tilt and Zoom CCTV Control

Part No.	Component Descriptions	Insulation Material & Shielding	Component Nom. OD Inch	mm	Overall Nom. OD Inch	mm	Standard Lengths Ft.	m	Standard Unit Weight Lbs.	kg
Composite (NEC CMR and CEC CMG FT4)										
RG-59/U 20 AWG Coax • Cat. 5e 22 AWG Pair • 18 AWG Cond.										
501PTZ new	(1) Coax: RG-59/U 20 AWG (solid) BC Cond.	Gas-injected Foam HDPE, BC Braid Shield (95% coverage)	.227	5.57	.419	10.6	500 1000	152 305	41.0 76.0	18.6 34.5
	(1) 1-Pair 22 AWG (7x30) BC Cond.	Polyolefin, Beldfoil Shield (100% coverage)	.177	4.50						
	(1) 2-Cond. 18 AWG Stranded (7x26) BC Cond.	PVC, Unshielded	.171	4.34						

BC = Bare Copper • HDPE = High-density Polyethylene

U.S. Patent 7,049,523

Individual Cable Jacket Color Coding System

Jacket Color	Cable Type
Black	Coax: RG-59/U, 20 AWG, BC Braid Shield
Blue	1/P, 22 AWG, Beldfoil Shield
White	2/C, 18 AWG, Unshielded

Pan/Tilt/Zoom Banana Peel® Composite

CCTV plus Audio or Power or Pan and Tilt CCTV Control Applications
Plenum-Rated

NEW GENERATION®

Composite Coax,
Pair and Multi-Conductors
CMP FT6 Rated

Product Description

(1) Coax: 20 AWG solid bare copper conductor, Foam Perfluoroalkoxy (FPFA) insulation, bare copper braid shield (95% coverage), Black Flamarrest® jacket.

(1) Pair: 22 AWG stranded (7x30) bare copper conductors, FEP insulation, Beldfoil® shield (100% coverage), Blue Flamarrest jacket. Color code: White/Blue Stripe & Blue. Category 5e tested.
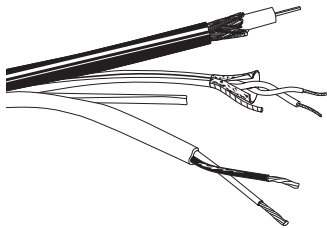
(2) Conductors: 18 AWG stranded (7x26) bare copper conductors, Flamarrest insulation, White Flamarrest jacket. Color code: Black & Red.

Specifications

Conductor	Bare Copper
Application Shielding	
Video	Bare Copper Braid
Control	Aluminum/Polyester
Power	Unshielded
Component Jackets	Flamarrest
Overall Jacket	None
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

• CCTV plus Control and Power

• Pan, Tilt and Zoom CCTV Control

Individual Cable Jacket Color Coding System

Jacket Color	Cable Type
Black	Coax: RG-59/U, 20 AWG, BC Braid Shield
Blue	1/P, 22 AWG, Beldfoil Shield
White	2/C, 18 AWG, Unshielded

Plenum-rated Composite (NEC CMP and CEC CMP FT6)

Part No.	Component Descriptions	Insulation Material & Shielding	Component Nom. OD		Overall Nom. OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
RG-59/U 20 AWG Coax • Cat. 5e 22 AWG Pair • 18 AWG Cond.										
601PTZ new	(1) Coax: RG-59/U 20 AWG (solid) BC Cond.	FPFA, BC Braid Shield (95% coverage)	.193	4.90	.351	8.9	500 1000	152 305	40.0 73.0	18.2 33.2
	(1) 1-Pair 22 AWG (7x30) BC Cond.	FEP, Beldfoil Shield (100% coverage)	.116	2.95						
	(1) 2-Cond. 18 AWG Stranded (7x26) BC Cond.	Flamarrest, Unshielded	.158	4.01						

BC = Bare Copper • FEP = Fluorinated Ethylene Propylene • FPFA = Foam Perfluoroalkoxy

U.S. Patent 7,049,523

20 • New Generation® Cables

Pan/Tilt/Zoom Banana Peel® Composite
CCTV plus Audio or Power or Pan and Tilt CCTV Control Applications
Riser-Rated

NEW GENERATION®

Composite Coax,
Pair and Multi-Conductors
CMR/CMG FT4 Rated

Product Description

(1) Coax: 20 AWG solid bare copper conductor, gas-injected foam high-density polyethylene insulation, bare copper braid shield (95% coverage), Black PVC jacket.

(1) Pair: 18 AWG stranded (19x30) bare copper conductors, polyolefin insulation, Beldfoil® shield (100% coverage), Blue PVC jacket. Color code: White/Blue Stripe & Blue. Category 5e tested.
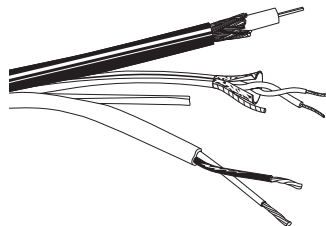
(2) Conductors: 18 AWG stranded (7x26) bare copper conductors, PVC insulation, White flame-retardant PVC jacket. Color code: Black & Red.

Specifications

Conductor	Bare Copper
Application Shielding	
Video	Bare Copper Braid
Control	Aluminum/Polyester
Power	Unshielded
Component Jackets	PVC
Overall Jacket	None
Approvals	
NEC	CMR
CEC	CMG FT4
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- CCTV plus Control and Power
- Pan, Tilt and Zoom CCTV Control

Composite (NEC CMR and CEC CMG FT4)

Part No.	Component Descriptions	Insulation Material & Shielding	Component Nom. OD Inch	Component Nom. OD mm	Overall Nom. OD Inch	Overall Nom. OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg
RG-59/U 20 AWG Coax • Cat. 5e 18 AWG Pair • 18 AWG Cond.										
502PTZ new	(1) Coax: RG-59/U 20 AWG (solid) BC Cond.	Gas-injected Foam HDPE, BC Braid Shield (95% coverage)	.227	5.57	.451	11.5	500 1000	152 305	50.0 94.0	22.7 42.6
	(1) 1-Pair 18 AWG (19x30) BC Cond.	Polyolefin, Beldfoil Shield (100% coverage)	.219	5.56						
	(1) 2-Cond. 18 AWG Stranded (7x26) BC Cond.	PVC, Unshielded	.171	4.34						

BC = Bare Copper • HDPE = High-density Polyethylene

U.S. Patent 7,049,523

Individual Cable Jacket Color Coding System

Jacket Color	Cable Type
Black	Coax: RG-59/U, 20 AWG, BC Braid Shield
Blue	1/P, 18 AWG, Beldfoil Shield
White	2/C, 18 AWG, Unshielded

Pan/Tilt/Zoom Banana Peel® Composite
CCTV plus Audio or Power or Pan and Tilt CCTV Control Applications
Plenum-Rated

NEW GENERATION®

Composite Coax,
Pair and Multi-Conductors
CMP FT6 Rated

Product Description

(1) Coax: 20 AWG solid bare copper conductors, Foam Perfluoroalkoxy (FPFA) insulation, bare copper braid shield (95% coverage), Black Flamarrest® jacket.

(1) Pair: 18 AWG stranded (19x30) bare copper conductor, FEP insulation, Beldfoil® shield (100% coverage), Blue Flamarrest jacket. Color code: White/Blue Stripe & Blue. Category 5e tested.

(2) Conductors: 18 AWG stranded (7x26) bare copper conductors, Flamarrest insulation, White Flamarrest jacket. Color code: Black & Red.

Specifications

Conductor	Bare Copper
Application Shielding	
Video	Bare Copper Braid
Control	Aluminum/Polyester
Power	Unshielded
Component Jackets	Flamarrest
Overall Jacket	None
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

• CCTV plus Control and Power
• Pan, Tilt and Zoom CCTV Control

Part No.	Component Descriptions	Insulation Material & Shielding	Component Nom. OD		Overall Nom. OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
Plenum-rated Composite (NEC CMP and CEC CMP FT6)										
RG-59/U 20 AWG Coax • Cat. 5e 18 AWG Pair • 18 AWG Cond.										
602PTZ new	(1) Coax: RG-59/U 20 AWG (solid) BC Cond.	FPFA, BC Braid Shield (95% coverage)	.193	4.90	.363	9.2	500 1000	152 305	42.5 79.0	19.3 35.8
	(1) 1-Pair 18 AWG (19x30) BC Cond.	FEP, Beldfoil Shield (100% coverage)	.150	3.81						
	(1) 2-Cond. 18 AWG Stranded (7x26) BC Cond.	Flamarrest, Unshielded	.158	4.01						

BC = Bare Copper • FEP = Fluorinated Ethylene Propylene • FPFA = Foam Perfluoroalkoxy

20 • New Generation® Cables

Individual Cable Jacket Color Coding System

Jacket Color	Cable Type
Black	Coax: RG-59/U, 20 AWG, BC Braid Shield
Blue	1/P, 18 AWG, Beldfoil Shield
White	2/C, 18 AWG, Unshielded

US Patent 7,049,523

Security Coaxial Cable
CATV and MATV Applications
Commercial or Schlage Systems

NEW GENERATION®

Commercial and Schlage Coax
CM FT1 Rated

Product Description

Bare copper conductor, foam polyolefin insulation, foil plus braid shield(s) as indicated, Black PVC jacket. Sequential footage marking every two feet.
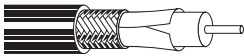
Specifications

Conductor	Bare Copper
Insulation	FPO
Shield	
Coax	Duofoil® + Aluminum Braid(s)
Schlage	Duobond® + Aluminum Braid(s)
Jacket	PVC
Approvals	
NEC	CM
CEC	CM FT1
NEC Articles	820
Nominal Impedance	75Ω
Temperature Rating	75°C

Applications

- CATV
- MATV

Duofoil Shield

Duobond Shield (Schlage Systems)

Quad Shield

Coax (NEC CM and CEC CM FT1)

Part No.	AWG	Stranding and Conductor	Shield/ Braid Coverage	Insulation Nominal OD Inch	mm	Nominal OD Inch	mm	Standard Lengths Ft.	m	Standard Unit Weight Lbs.	kg
Series 6 • RG-6 Type											
5339B5*	18	solid BC	Duofoil + 60% AL braid	.180	4.57	.266	6.76	U-500 500 U-1000 1000	U-152 152 U-305 305	17.5 15.5 34.0 35.0	7.9 7.0 15.4 15.9
5339Q5*	18	solid BC	Quad**	.180	4.57	.298	7.57	U-500 U-1000 1000	U-152 U-305 305	19.0 36.0 36.0	8.6 16.3 16.3

Schlage Coax (NEC CM and CEC CM FT1)

Part No.	AWG	Stranding and Conductor	Shield/ Braid Coverage	Insulation Nominal OD Inch	mm	Nominal OD Inch	mm	Standard Lengths Ft.	m	Standard Unit Weight Lbs.	kg
Series 6 • RG-6 Type											
5399B5	18	solid BC	Duobond + 60% AL braid	.180	4.50	.270	6.86	U-1000 1000	U-305 305	28.0 29.0	12.7 13.2

AL = Aluminum • BC = Bare Copper

 * Also available in White.
** Quad Shield = Duofoil tape + 60% aluminum braid + Duofoil tape + 40% aluminum braid.

Security Coaxial Cable
Commercial CATV or MATV Applications
Plenum-Rated

NEW GENERATION®

Plenum-Rated Coax
CMP FT6 Rated

Product Description

Solid bare copper conductor. Foam FEP insulation. Foil plus aluminum braid shield(s) as indicated. Natural Flamarrest® jacket (except 6139B8 which is White fluorocopolymer). Sequential footage marking every two feet.
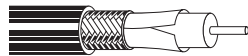
Specifications

Conductor	Solid BC or BCCC
Insulation	Foam FEP
Shield	Duofoil® + Aluminum Braid(s)
Jacket	Flamarrest†
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	820
Nominal Impedance	75Ω
Temperature Rating	75°C

†6139B8 jacket is White fluorocopolymer.

Applications

- CATV
- MATV

Duofoil + Braid Shield

Quad Shield

Part No.	AWG	Stranding and Conductor	Shield/ Braid Coverage	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
				Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
Plenum-Rated Coax (NEC CMP and CEC CMP FT6)											
Series 59 • RG-59 Type											
6439C8	20	solid BC	Duofoil + 80% AL braid	.135	3.43	.199	5.05	1000	305	20.0	9.1
6439Q8	20	solid BC	Quad*	.135	3.43	.223	5.66	U-1000	U-305	24.0	10.9
Series 6 • RG-6 Type											
633938	18	solid BC	Duofoil + 90% AL braid	.170	4.32	.233	5.92	U-500	U-152	15.0	6.8
								500	152	15.0	6.8
								U-1000	U-305	29.0	13.2
								1000	305	29.0	13.2
6339Q8	18	solid BCCC	Quad*	.170	4.32	.248	6.30	U-1000	U-305	30.0	13.6
								1000	305	32.0	14.5
Series 11 • RG-11 Type											
6139B8	14	solid BC	Duofoil + 60% AL braid	.274	6.96	.348	8.84	1000	305	66.0	30.0

AL = Aluminum • BC = Bare Copper • BCCC = Bare Copper Center Conductor

*Quad Shield: Duofoil tape + 60% copper braid + Duofoil tape + 40% copper braid.

20 • New Generation® Cables

Security Coaxial Cable
Surveillance and CCTV Applications
Limited Combustible

NEW GENERATION®

Limited Combustible Coax
FHC 25/50 CMP

Product Description

Bare copper conductor, foam FEP insulation, bare copper braid shield (95% coverage). Black FEP jacket. Sequential footage marking every two feet.
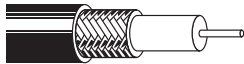
Specifications

Conductor	Bare Copper
Insulation	FFEP
Shield	
	Bare Copper Braid
Jacket	FEP
Approvals	
NEC	CMP FHC 25/50
NEC Articles	800
Nominal Impedance	75Ω
Temperature Rating	200°C

Applications

• CCTV
• Video Security Coax

Solid Conductor

Part No.	AWG	Stranding and Conductor	Shield/ Braid Coverage	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
				Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
Limited Combustible Coax (CMP FHC 25/50)											
RG-59/U Type											
7986LC new	20	solid BC	95% BC	.135	3.43	.193	4.90	500 1000	152 305	17.0 31.0	7.7 14.1
RG-6/U Type											
7985LC new	18	solid BC	95% BC	.170	4.31	.228	5.79	500 1000	152 305	22.0 44.0	10.0 20.0

BC = Bare Copper • FEP = Fluorinated Ethylene Propylene

UTP CCTV Surveillance Cables
CCTV and PTZ Applications
Unshielded, Riser-Rated

Composite
Unshielded Multi-conductor
CMR/CMG FT4 Rated

Product Description

Data Pair: 24 or 23 AWG solid bare copper conductors, unshielded twisted pairs, polyolefin insulation.

Power Conductors: 16 AWG stranded (19x29) tinned copper conductors, unshielded, polypropylene insulation.

**Overall:** White or Black, flame-retardant PVC jacket.

Specifications

| Conductor	
Data Pair	Solid Bare Copper
Power	Stranded Tinned Copper
Shield	Unshielded
Jacket	F-R PVC
Approvals	
NEC	CMR
CEC	CMG FT4
NEC Articles	800
Nominal Impedance	100Ω
Temperature Rating	75°C

Applications:

- UTP-CCTV
- CCTV
- CCTV on UTP
- CCTV Video/Control
- Closed Circuit Television
- Pan/Tilt/Zoom (PTZ) Cameras
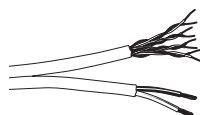- Surveillance
- Video Over Twisted Pairs

5284UE (Round Construction)
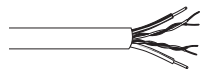
5284US (Siamese Construction)
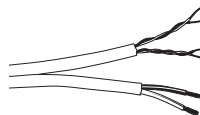
5288US (Siamese Construction)

Part No.	Component Descriptions	Insulation Material	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
Unshielded Composite (NEC CMR and CEC CMG FT4)										
Category 5e										
5284UE (new)	2-Pair UTP 23 AWG Solid Bare Copper Cond.	Polyolefin	.040	1.01	.233	5.92	500 1000	152 305	22.5 44.0	10.2 20.0
	2-Cond. 16 AWG Stranded (19x29) Tinned Copper Cond.	Polypropylene	.077	1.96						
5284US (new)	2-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.035	.89	.208 x .426	5.28 x 10.82	500 100	152 305	25.5 44.0	11.6 20.0
	2-Cond. 16 AWG Stranded (19x29) Tinned Copper Cond.	PVC	.080	2.03						
5288US* (new)	4-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.035	.89	.198 x .424	5.03 x 10.77	500 1000	152 305	27.5 52.0	12.5 23.6
	2-Cond. 16 AWG Stranded (19x29) Tinned Copper Cond.	PVC	.080	2.03						

UTP = Unshielded Twisted Pair • F-R = Flame-retardant

*Special Construction available upon request.

Color Code Chart (Data Pair)

Pair No.	Color
1	Blue & White/Blue Stripe
2	Orange & White/Orange Stripe
3	Green & White/Green Stripe
4	Brown & White/Brown Stripe

Color Code Chart (Power)

Cond. No.	Color
1	Black
2	Red

20 • New Generation® Cables

UTP CCTV Surveillance Cables
CCTV and PTZ Applications
Unshielded, Plenum-Rated

NEW GENERATION®

Composite
Unshielded Multi-conductor
CMP Rated

Product Description

Data Pair: 24 or 23 AWG solid bare copper conductors, unshielded twisted pairs, FEP insulation.

Power Conductors: 16 AWG stranded (19x29) tinned copper conductors, unshielded, FEP or Flamarrest® insulation.

**Overall:** White or Black, Flamarrest jacket.

Specifications

| Conductor	
Data Pair	Solid Bare Copper
Power	Stranded Tinned Copper
Shield	**Unshielded**
Jacket	**Flamarrest**
Approvals	
NEC	CMP
CEC	CMP
NEC Articles	**800**
Nominal Impedance	**100Ω**
Temperature Rating	**75°C**

Applications:

- UTP-CCTV
- CCTV
- CCTV on UTP
- CCTV Video/Control
- Closed Circuit Television
- Pan/Tilt/Zoom (PTZ) Cameras
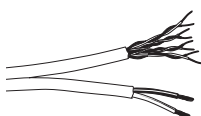- Surveillance
- Video Over Twisted Pairs

6284UE (Round Construction)
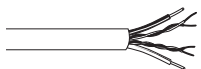
6284US (Siamese Construction)
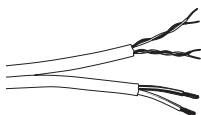
6288US (Siamese Construction)

Part No.	Component Descriptions	Insulation Material	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
Unshielded Composite (NEC CMP and CEC CMP)										
Category 5e										
6284UE new	2-Pair UTP 23 AWG Solid Bare Copper Cond.	FEP	.041	1.04	.220	5.59	500 1000	152 305	19.5 38.0	8.8 17.2
	2-Cond. 16 AWG Stranded (19x29) Tinned Copper Cond.	FEP	.077	1.96						
6284US new	2-Pair UTP 24 AWG Solid Bare Copper Cond.	FEP	.035	.89	.173 x .358	4.39 x 9.09	500 1000	152 305	26.0 50.0	11.8 22.7
	2-Cond. 16 AWG Stranded (19x29) Tinned Copper Cond.	Flamarrest	.077	1.96						
6288US new	4-Pair UTP 23 AWG Solid Bare Copper Cond.	FEP	.042	1.07	.222 x .450	5.64 x 11.43	500 1000	152 305	34.5 66.0	15.7 29.9
	2-Cond. 16 AWG Stranded (19x29) Tinned Copper Cond.	Flamarrest	.077	1.96						

FEP = Fluorinated Ethylene Propylene • UTP = Unshielded Twisted Pair

Color Code Chart (Data Pair)

Pair No.	Color
1	Blue & White/Blue Stripe
2	Orange & White/Orange Stripe
3	Green & White/Green Stripe
4	Brown & White/Brown Stripe

Color Code Chart (Power)

Cond. No.	Color
1	Black
2	Red

UTP CCTV Surveillance Cables
CCTV Fixed and PTZ Applications
Unshielded, Non-Plenum

NEW GENERATION®

Unshielded Twisted Pairs
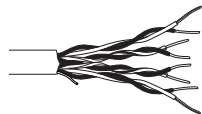CM FT1 or CMR Rated

Product Description

Solid bare copper conductors, unshielded twisted pairs, polyolefin insulation, PVC jacket with rip cord. Sequential footage marking every two feet.

Specifications

Conductor	Solid Bare Copper
Shield	Unshielded
Jacket	PVC
Approvals	
NEC	CM or CMR
CEC	CM FT1 or CMR FT4
Nominal Impedance	100Ω
Temperature Rating	80°C

Applications:

- 100BaseTX
- 100BaseVG ANYLAN
- 155ATM
- 622ATM
- AES/EBU
- Digital Video, RS-422
- Gigabit Ethernet
- NTSC/PAL Component or Composite Video
- Premise Horizontal Cable
- CCTV UTP
- PTZ
- Pan/Tilt/Zoom

Part No.	Component Descriptions	Insulation Material	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
Unshielded Twisted Pairs (NEC CM and CEC CM FT1)										
Category 5e										
1583A new	4-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.008	0.20	.195	4.95	U-1000 1000 1640 3000	U-305 305 500 915	21.0 21.0 34.4 63.0	9.5 9.5 15.7 28.6
1500A new	4-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.008	0.20	.200	5.08	A-1000 1000	A-305 305	26.0 23.0	11.8 10.4
Unshielded Twisted Pairs (NEC CMR and CEC CMR FT4)										
Category 5e										
1583R new	4-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.007	0.18	.197	5.00	U-1000 1000 3000	U-305 305 915	23.0 22.0 63.0	10.4 10.0 28.6
1500R new	4-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.007	0.18	.194	5.00	A-1000 1000	A-305 305	27.0 24.0	12.2 10.9
Category 6										
7881A new	4-Pair UTP 23 AWG Solid Bare Copper Cond.	Polyolefin	.010	0.18	.235	5.97	A-1000 1000	A-305 305	33.0 30.0	15.0 13.6

UTP = Unshielded Twisted Pair

Refer to **www.belden.com** for jacket colors and put-ups.

20 ● New Generation® Cables

Color Code Chart

Pair No.	Color Combinations
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

UTP CCTV Surveillance Cables
CCTV Fixed and PTZ Applications
Unshielded, Plenum-Rated

NEW GENERATION®

Unshielded Twisted Pairs
CMP FT6 Rated

Product Description

Solid bare copper conductors, unshielded twisted pairs, FEP Teflon® insulation, Flamarrest® jacket with rip cord. Sequential footage marking every two feet.

Specifications

Conductor	Solid Bare Copper
Shield	Unshielded
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Nominal Impedance	100Ω
Temperature Rating	75°C

Applications:

- 100BaseTX
- 100BaseVG ANYLAN
- 155ATM
- 622ATM
- AES/EBU
- Digital Video, RS-422
- Gigabit Ethernet
- NTSC/PAL Component or Composite Video
- Premise Horizontal Cable
- CCTV UTP
- Pan/Tilt/Zoom (PTZ)

Part No.	Component Descriptions	Insulation Material	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg
Unshielded Twisted Pairs (NEC CMP and CEC CMP FT6)										
Category 5e										
1585A new	4-Pair UTP 24 AWG Solid Bare Copper Cond.	FEP Teflon®	.007	0.18	.195	4.95	U-1000 1000 3000	U-305 305 915	23.0 24.0 69.0	10.4 10.9 31.3
1501A new	4-Pair UTP 24 AWG Solid Bare Copper Cond.	FEP Teflon	.008	0.20	.195	4.95	A-1000 1000	A-305 305	27.0 24.0	12.2 10.9
Category 6										
7882A new	4-Pair UTP 23 AWG Solid Bare Copper Cond.	FEP Teflon	.009	0.23	.224	5.69	A-1000 1000	A-305 305	34.0 31.0	15.4 14.1

UTP = Unshielded Twisted Pair

Refer to **www.belden.com** for jacket colors and put-ups.

Color Code Chart

Pair No.	Color Combinations
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Teflon is a DuPont trademark.

Fire Alarm Cable
Commercial Applications
Unshielded, Power-Limited

NEW GENERATION®

Unshielded Multi-conductor
FPLR/CMG FT4 Rated

Product Description

Bare copper conductors, PVC insulation, conductors cabled together, Red PVC jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	PVC
Jacket	PVC
Jacket Thickness	.015″ (.381mm)
Approvals	
NEC	FPLR
CEC (22–16 AWG only)	CMG FT4
California State Fire Marshall	
NEC Articles	760
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Fire Protection
- Alarm
- Signal
- Monitor/Detection
- Audio Circuits
- Control Circuits
- Initiating Circuits
- Notification Circuits

Color Code Chart

Cond. No.	Color
1	Black
2	Red
3	Brown
4	Blue
5	Orange
6	Yellow
7	Purple
8	Green
9	Red/Black
10	Red/White
11	Red/Green
12	Red/Blue

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Insulation Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Unshielded Multi-conductor (NEC FPLR and CEC CMG FT4)										
22 AWG										
5522UL	4	solid	C-500	C-152	7.0	3.2	.010	.25	.125	3.18
			U-1000	U-305	16.0	7.3				
			1000	305	16.0	7.3				
5524UL	6	solid	C-500	C-152	10.0	4.6	.010	.25	.168	4.27
			U-1000	U-305	21.0	9.5				
18 AWG										
5320UL	2	solid	C-500	C-152	8.0	3.6	.010	.25	.151	3.84
			U-500	U-152	9.0	4.1				
			500	152	9.0	4.1				
			U-1000	U-305	18.0	8.2				
			1000	305	17.0	7.7				
5322UL	4	solid	C-250	C-76	7.0	3.2	.010	.25	.176	4.47
			C-500	C-152	14.0	6.0				
			U-500	U-152	15.5	7.0				
			U-1000	U-305	30.0	13.6				
			1000	305	30.0	13.6				
5324UL	6	solid	500	152	23.5	10.7	.010	.25	.212	5.38
			U-1000	U-305	43.0	19.5				
			1000	305	44.0	20.0				
5326UL	8	solid	1000	305	61.0	27.7	.010	.25	.230	5.84
5328UL	10	solid	1000	305	71.0	32.3	.010	.25	.272	6.91
5329UL	12	solid	1000	305	83.0	37.7	.010	.25	.281	7.14
16 AWG										
5220UL*	2	solid	500	152	13.0	5.9	.010	.25	.174	4.42
			U-1000	U-305	24.0	10.9				
			1000	305	25.0	11.4				
5222UL	4	solid	1000	305	45.0	20.4	.010	.25	.204	5.18
14 AWG										
5120UL*	2	solid	500	152	19.0	8.6	.013	.33	.213	5.41
			1000	305	38.0	17.3				
5122UL	4	solid	1000	305	70.0	31.8	.013	.33	.251	6.38
12 AWG										
5020UL	2	solid	1000	305	55.0	25.0	.013	.33	.247	6.27

*Also available in other jacket colors. Consult **www.belden.com**.

20 • New Generation® Cables

Fire Alarm Cable
Commercial Applications
Shielded, Power-Limited

NEW GENERATION®

Shielded Multi-conductor
FPLR/CMG FT4 Rated

Product Description

Bare copper conductors, PVC insulation, conductors cabled together, Beldfoil® shield and drain wire, Red PVC jacket with rip cord. Sequential footage marking every two feet.
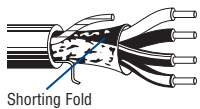
Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	PVC
Shield	Beldfoil
Jacket	PVC
Jacket Thickness	.015″ (.381mm)
Approvals	
NEC	FPLR
CEC (22–16 AWG only)	CMG FT4
California State Fire Marshall	
NEC Articles	760
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Fire Protection
- Alarm
- Signal
- Monitor/Detection
- Audio Circuits
- Control Circuits
- Initiating Circuits
- Notification Circuits

Shorting Fold

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Insulation Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Shielded Multi-conductor (NEC FPLR and CEC CMG FT4)										
22 AWG										
5522FL	4	solid	C-500	C-152	9.0	4.1	.010	.25	.145	3.68
			U-1000	U-305	19.0	8.6				
			1000	305	19.0	8.6				
18 AWG										
5320FL*	2	solid	C-500	C-152	10.5	4.8	.010	.25	.155	3.94
			U-500	U-152	11.5	5.2				
			500	152	11.5	5.2				
			U-1000	U-305	22.0	10.0				
			1000	305	22.0	10.0				
5322FL	4	solid	C-500	C-152	15.5	7.0	.010	.25	.170	4.32
			500	152	16.5	7.5				
			U-1000	U-305	32.0	14.5				
			1000	305	34.0	15.4				
16 AWG										
5220FL*	2	solid	1000	305	29.0	13.2	.010	.25	.178	4.52
5222FL	4	solid	1000	305	50.0	22.7	.010	.25	.208	5.28
14 AWG										
5120FL*	2	solid	500	152	22.0	10.0	.013	.33	.217	5.51
			1000	305	43.0	19.5				
5122FL	4	solid	1000	305	79.0	35.9	.013	.33	.255	6.48
12 AWG										
5020FL	2	solid	1000	305	60.0	27.2	.013	.33	.251	6.38

*Also available in other jacket colors. Consult **www.belden.com**.

Color Code Chart

Cond. No.	Color
1	Black
2	Red
3	Brown
4	Blue

Fire Alarm Cable
Commercial Applications, Addressable Systems
Unshielded or Shielded, Power-Limited, Mid-Capacitance

NEW GENERATION®

Unshielded Multi-conductor
FPL Rated

Product Description

Bare copper conductors, foam high-density polyethylene insulation, cabled together, Red PVC jacket with rip cord. Sequential footage marking every two feet.

Color Code: Black, Red.

Shielded Multi-conductor
FPL Rated

Product Description

Bare copper conductors, foam high-density polyethylene insulation, cabled together, Beldfoil® shield tape (foil side out), Red PVC jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	FHDPE
Shield (where applicable)	Beldfoil
Jacket	PVC
Jacket Thickness	.033″ (.838mm)
Approvals	
NEC	FPL
California State Fire Marshall	
NEC Articles	760
Voltage Rating	300V
Temperature Rating	75°C
Nominal Capacitance*	
Unshielded[†]	13 pF/ft.
Shielded[††]	20–36 pF/ft.

*Capacitance between conductors.

[†]60% lower capacitance than cables on page 20.55
[††]60% lower capacitance than cables on page 20.56

Applications

• Addressable Fire Systems
• Data Circuits
• Audio Circuits
• Control Circuits
• Initiating Circuits
• Notification Circuits

Color Code Chart

Cond. No.	Color
1	Black
2	Red
3	Brown
4	Blue

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Insulation Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Unshielded Multi-conductor (NEC FPL)										
18 AWG										
5320UJ	2	solid	U-1000	U-305	22.0	10.0	.015	.38	.206	5.23
16 AWG										
5220UJ	2	solid	500	152	16.0	7.3	.015	.38	.230	5.84
			1000	305	32.0	14.5				
Shielded Multi-conductor (NEC FPL)										
18 AWG										
5320FJ	2	solid	U-1000	U-305	27.0	12.3	.015	.38	.211	5.36
			1000	305	28.0	12.7				
5322FJ	4	solid	1000	305	43.0	19.5	.015	.38	.240	6.10
16 AWG										
5220FJ	2	solid	500	152	18.0	8.2	.015	.38	.235	5.97
			U-1000	U-305	35.0	15.9				
			1000	305	37.0	16.8				
5222FJ	4	solid	1000	305	59.0	26.8	.015	.38	.269	6.83
14 AWG										
5120FJ	2	solid	1000	305	49.0	22.3	.020	.51	.279	7.09
12 AWG										
5020FJ	2	solid	1000	305	69.0	31.3	.020	.51	.317	8.05

Unshielded

Shielded

Shorting Fold

20 • New Generation® Cables
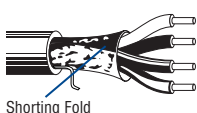
Fire Alarm Cable
NPLF Systems
Unshielded or Shielded, Non-Power-Limited Signaling Cable

NEW GENERATION®

Unshielded Multi-conductor
NPLF Rated
150V Max. Per NEC Article 760
Indoor (Non-conduit per NEC)

Product Description

Bare copper conductors, PVC/Nylon insulation, cabled together, Red PVC jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Shielded Multi-conductor
NPLF Rated
150V Max. Per NEC Article 760
Indoor (Non-conduit per NEC)

Product Description

Bare copper conductors, PVC/Nylon insulation, cabled together, Beldfoil® shield tape (aluminum side out) plus drain wire, Red PVC jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	PVC/Nylon
Insulation Thickness	.021″ (.533mm)
Shield (where applicable)	Beldfoil
Jacket	PVC
Approvals NEC	NPLF
NEC Articles	760
Voltage Rating	150V
Temperature Rating	75°C

Applications
- Fire Alarm
- Audio Circuits
- Control Circuits
- Initiating Circuits
- Notification Circuits

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Unshielded Multi-conductor (NEC NPLF)										
18 AWG										
5320UN	2	solid	500	152	14.0	6.4	.037	.94	.239	6.07
			1000	305	31.0	14.1				
5322UN	4	solid	500	152	28.0	12.7	.042	1.07	.283	7.19
			1000	305	53.0	24.0				
16 AWG										
5220UN	2	solid	500	152	22.0	10.0	.037	.94	.262	6.65
			1000	305	40.0	18.1				
5222UN	4	solid	1000	305	71.0	32.3	.042	1.07	.311	7.90
14 AWG										
5120UN	2	solid	500	152	28.5	13.0	.042	1.07	.299	7.59
			1000	305	53.0	24.1				
Shielded Multi-conductor (NEC NPLF)										
18 AWG										
5320FN	2	solid	500	152	15.5	7.0	.037	.94	.243	6.17
			1000	305	35.0	15.9				
5322FN	4	solid	500	152	31.0	14.1	.042	1.07	.287	7.29
			1000	305	57.0	25.9				
16 AWG										
5220FN	2	solid	500	152	23.5	10.7	.037	.94	.266	6.76
			1000	305	45.0	20.5				
5222FN	4	solid	1000	305	76.0	34.5	.042	1.07	.315	8.00
14 AWG										
5120FN	2	solid	500	152	32.0	14.5	.042	1.07	.303	7.70
			1000	305	61.0	27.7				
5122FN	4	solid	500	152	50.5	23.0	.042	1.07	.348	8.84
			1000	305	102.0	46.4				
12 AWG										
5020FN	2	solid	500	152	43.0	19.5	.042	1.07	.337	8.56
			1000	305	83.0	37.7				

Unshielded

Shielded

Shorting Fold

Color Code Chart

Cond. No.	Color
1	Black
2	Red
3	Brown
4	Blue
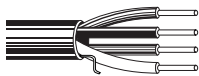
Fire Alarm Cable
Commercial Applications
Unshielded or Shielded, Plenum-Rated, Power-Limited

NEW GENERATION®

Unshielded or Shielded Multi-conductor
FPLP Rated

Product Description

Bare copper conductors, Flamarrest® insulation, cabled together, Red Flamarrest jacket with rip cord. Shielded version has overall Beldfoil® shield tape (foil side out) and drain wire. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Shield (where applicable)	Beldfoil
Jacket	Flamarrest
Jacket Thickness	.015″ (.381mm)
Approvals	
NEC	FPLP
California State Fire Marshall	
NEC Articles	760
Voltage Rating	300V
Temperature Rating	75°C

Applications

• Fire Protection
• Alarm
• Signal
• Monitor/Detection
• Audio Circuits
• Control Circuits
• Initiating Circuits
• Notification Circuits

Unshielded

Shielded

Shorting Fold

Color Code Chart

Cond. No.	Color	Cond. No.	Color
1	Black	6	Yellow
2	Red	7	Purple
3	Brown	8	Green
4	Blue	9	Red/Black
5	Orange	10	Red/White

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Insulation Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Unshielded Multi-conductor (NEC FPLP)										
22 AWG										
6522UL	4	solid	U-1000	U-305	17.0	7.7	.009	.23	.136	3.45
			1000	305	16.0	7.3				
6524UL	6	solid	C-500	C-152	10.5	4.8	.009	.23	.162	4.12
			U-1000	U-305	22.0	10.0				
			1000	305	22.0	10.0				
18 AWG										
6320UL*	2	solid	C-500	C-152	8.0	3.6	.010	.25	.151	3.84
			U-500	U-152	9.0	4.1				
			U-1000	U-305	18.0	8.2				
			1000	305	17.0	7.7				
6321UL	3	solid	1000	305	28.0	12.7	.010	.25	.160	4.06
6322UL	4	solid	C-250	C-76	7.2	3.3	.010	.25	.183	4.64
			C-500	C-152	14.5	6.6				
			1000	305	31.0	14.1				
6324UL	6	solid	U-1000	U-305	44.0	20.0	.010	.25	.211	5.36
			1000	305	46.0	20.9				
6326UL	8	solid	1000	305	63.0	28.6	.010	.25	.230	5.84
6328UL	10	solid	1000	305	73.0	33.1	.010	.25	.272	6.91
16 AWG										
6220UL*	2	solid	C-500	C-152	12.0	5.4	.010	.25	.174	4.42
			500	152	12.5	5.7				
			U-305	U-305	25.0	11.4				
			1000	305	26.0	11.8				
6222UL	4	solid	500	152	24.5	11.1	.010	.25	.204	5.18
			1000	305	47.0	21.3				
14 AWG										
6120UL*	2	solid	500	152	19.0	8.6	.011	.28	.205	5.21
			1000	305	38.0	17.3				
6122UL	4	solid	500	152	35.5	16.1	.011	.28	.241	6.12
			1000	305	70.0	31.8				
12 AWG										
6020UL	2	solid	1000	305	59.0	26.8	.011	.28	.239	6.07

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Insulation Thickness		Nominal OD	
Shielded Multi-conductor (NEC FPLP)										
18 AWG										
6320FL*	2	solid	C-500	C-152	10.5	4.8	.010	.25	.158	4.01
			U-1000	U-305	22.0	10.0				
			1000	305	22.0	10.0				
6322FL	4	solid	1000	305	36.0	16.4	.010	.25	.183	4.65
16 AWG										
6220FL*	2	solid	C-500	C-152	14.5	6.6	.010	.25	.181	4.60
			1000	305	31.0	14.1				
6222FL	4	solid	1000	305	58.0	26.3	.010	.25	.211	5.36
14 AWG										
6120FL*	2	solid	500	152	23.5	10.7	.011	.28	.209	5.31
			1000	305	45.0	20.4				
6122FL	4	solid	500	152	42.0	19.1	.011	.28	.245	6.22
			1000	305	77.0	35.0				
12 AWG										
6020FL	2	solid	500	152	30.5	13.9	.011	.28	.243	6.17
			1000	305	61.0	27.7				

*Also available in other jacket colors. Consult **www.belden.com**.

20 • New Generation® Cables

Fire Alarm Cable
Commercial Applications, Addressable Systems
Unshielded and Shielded, Plenum-Rated, Power-Limited, Mid-Capacitance

NEW GENERATION®

Unshielded Multi-conductor
FPLP Rated

Product Description

Bare copper conductors, FEP insulation, cabled together, Red Flamarrest® jacket with rip cord. Sequential footage marking every two feet.

Color Code: Black, Red.

Shielded Multi-conductor
FPLP Rated

Product Description

Bare copper conductors, FEP insulation, cabled together, Beldfoil® shield tape (aluminum side out) with tinned copper drain wire, Red Flamarrest jacket with rip cord. Sequential footage marking every two feet.

Color Code: Black, Red.

Specifications

Conductor	Bare Copper
Insulation	FEP
Shield (where applicable)	Beldfoil
Jacket	Flamarrest
Jacket Thickness	.015″ (.381mm)
Approvals	
NEC	FPLP
California State Fire Marshall	
NEC Articles	760
Voltage Rating	300V
Temperature Rating	75°C
Nominal Capacitance*	
Unshielded[†]	26 pF/ft.
Shielded[††]	26–31 pF/ft.

*Capacitance between conductors.
[†]20% lower capacitance than cables on page 13.39
[††]60% lower capacitance than cables on page 13.39

Applications

- Addressable Fire Systems
- Data Circuits
- Monitor/Detection
- Control Circuits
- Initiating Circuits
- Notification Circuits

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Insulation Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Unshielded Multi-conductor (NEC FPLP)										
18 AWG										
6320UJ	2	solid	1000	305	16.0	7.3	.007	.18	.138	3.51
16 AWG										
6220UJ	2	solid	1000	305	24.0	10.9	.007	.18	.162	4.11
14 AWG										
6120UJ	2	solid	1000	305	32.0	14.5	.007	.18	.186	4.72
Shielded Multi-conductor (NEC FPLP)										
18 AWG										
6320FK	2	solid	500	152	14.0	6.4	.018	.46	.185	4.70
			U-1000	U-305	28.0	12.7				
			1000	305	27.0	12.2				
16 AWG										
6220FK	2	solid	1000	305	37.0	16.8	.018	.46	.210	5.33

Unshielded

Shielded

Shorting Fold

Circuit Integrity in Conduit (CIC) Safe-T-Line® Cable
Commercial Applications, Addressable Systems
Unshielded, Riser-Rated

NEW GENERATION®

Unshielded Multi-conductor
FPLR-CIC Rated

Product Description

Bare copper conductors, ceramifiable silicone rubber insulation, Red FRPE (Low-Smoke, Non-Halogen) jacket. Sequential footage marking every two feet.

Color Code: Black, Red.

Specifications

Conductor	Bare Copper
Insulation	Silicone Rubber
Shield	Unshielded
Jacket	FRPE
Jacket Thickness	.035″ (.889mm)
Approvals	
NEC	FPLR-CIC
NEC Articles	760
Voltage Rating	300V
Temperature Rating	105°C

Note: 2-conductor versions are color-coded black and red.
4 or more conductor versions are all black and numbered.

Applications

- Circuit Integrity
- Fire Alarm Circuit Integrity
- Survivability
- Survivability from Attack by Fire

Stranded

Solid

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Unshielded Multi-conductor (NEC FPLR-CIC)										
16 AWG										
5200UZ new	2	7	1000	305	68.0	30.9	.056	1.42	.37	9.40
5220UZ new	2	solid	1000	305	64.0	29.0	.056	1.42	.35	8.89
14 AWG										
5100UZ new	2	7	1000	305	87.0	39.5	.056	1.42	.40	10.16
5120UZ new	2	solid	1000	305	79.0	35.8	..056	1.42	.38	9.65
12 AWG										
5000UZ new	2	7	1000	305	108.0	50.0	.056	1.42	.37	9.40
5020UZ new	2	solid	1000	305	101.0	45.8	.056	1.42	.42	10.67

FRPE = Flame-retardant Polyethylene

20 ● New Generation® Cables

Circuit Integrity in Conduit (CIC) Safe-T-Line® Cable
Commercial Applications, Addressable Systems
Shielded, Riser-Rated

NEW GENERATION®

Shielded Multi-conductor
FPLR-CIC Rated

Product Description

Bare copper conductors, ceramifiable silicone rubber insulation, overall Beldfoil® Shield (100% coverage), tinned copper drain wire, Red FRPE (Low-Smoke, Non-Halogen) jacket, Sequential footage marking every two feet.

Color Code: Black, Red. (see note)

Specifications

Conductor	Bare Copper
Insulation	Silicone Rubber
Shield	Beldfoil
Jacket	FRPE
Jacket Thickness	.035″ (.889mm)
Approvals	
NEC	FPLR-CIC
NEC Articles	760
Voltage Rating	300V
Temperature Rating	105°C

Note: 2-conductor versions are color-coded black and red.
4 or more conductor versions are all black and numbered.

Applications

- Circuit Integrity
- Fire Alarm Circuit Integrity
- Survivability
- Survivability from Attack by Fire

Stranded

Solid

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Shielded Multi-conductor (NEC FPLR-CIC)										
16 AWG										
5200FZ new	2	7	1000	305	75.0	34.0	.056	1.42	.37	9.40
5220FZ new	2	solid	1000	305	71.0	32.2	.056	1.42	.36	9.14
5222FZ new	4	solid	1000	305	108.0	50.0	.056	1.42	.41	10.41
14 AWG										
5100FZ new	2	7	1000	305	97.0	44.0	.056	1.42	.41	10.41
5120FZ new	2	solid	1000	305	90.0	40.8	..056	1.42	.38	9.65
12 AWG										
5000FZ new	2	7	1000	305	122.0	55.3	.056	1.42	.44	11.18
5020FZ new	2	solid	1000	305	117.0	53.1	.056	1.42	.42	10.67
5022FZ new	4	solid	1000	305	187.0	84.8	.056	1.42	.48	12.19

FRPE = Flame-retardant Polyethylene

Circuit Integrity (CI) Safe-T-Line® Cable
Commercial Applications, Addressable Systems
Unshielded, Riser-Rated

Unshielded Multi-conductor
FPLR-CI Rated

Product Description

Solid bare copper conductors, ceramifiable silicone rubber insulation, Red FRPE (Low-Smoke, Non-Halogen) jacket. Sequential footage marking every two feet.

Color Code: Black, Red. (see note)

Specifications

Conductor	Bare Copper
Insulation	Silicone Rubber
Shield	Unshielded
Jacket	FRPE
Jacket Thickness	.045″ (1.143mm)
Approvals	
NEC	FPLR-CI
California State Fire Marshall	
NEC Articles	760
Voltage Rating	300V
Temperature Rating	105°C
Nominal Capacitance	
18 AWG	17 pF/ft.
16 AWG	19 pF/ft.
14 AWG	21 pF/ft.
12 AWG	23 pF/ft.

Note: 2-conductor versions are color-coded black and red.
4 or more conductor versions are all black and numbered.

Applications

• Circuit Integrity
• Fire Alarm Circuit Integrity
• Survivability
• Survivability from Attack by Fire

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Insulation Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Unshielded Multi-conductor (NEC FPLR-CI)

Part No.	No. of Cond.	Stranding	Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
18 AWG										
5320UM (new)	2	solid	1000	305	47.0	21.3	.034	.86	.31	7.87
5322UM (new)	4	solid	1000	305	73.0	33.1	.034	.86	.35	8.89
5324UM (new)	6	solid	1000	305	100.0	45.4	.034	.86	.42	10.67
5326UM (new)	8	solid	1000	305	123.0	55.8	.034	.86	.45	11.43
16 AWG										
5220UM (new)	2	solid	1000	305	59.0	26.8	.034	.86	.33	8.38
5222UM (new)	4	solid	1000	305	97.0	44.0	.034	.86	.38	9.65
14 AWG										
5120UM (new)	2	solid	1000	305	73.0	33.1	.034	.86	.36	9.14
5122UM (new)	4	solid	1000	305	123.0	55.8	.034	.86	.41	10.41
12 AWG										
5020UM (new)	2	solid	1000	305	96.0	43.6	.034	.86	.39	9.91
5022UM (new)	4	solid	1000	305	167.0	75.8	.034	.86	.45	11.43

FRPE = Flame-retardant Polyethylene

Circuit Integrity (CI) Safe-T-Line® Cable
Commercial Applications, Addressable Systems
Shielded, Riser-Rated

NEW GENERATION®

Shielded Multi-conductor
FPLR-CI Rated

Product Description

Bare copper conductors, ceramifiable silicone rubber insulation, Beldfoil® shield (100% coverage), Red FRPE (Low-Smoke, Non-Halogen) jacket, drain wire. Sequential footage marking every two feet.

Color Code: Black, Red.

Specifications

Conductor	Bare Copper
Insulation	Silicone Rubber
Shield	Beldfoil
Jacket	FRPE
Jacket Thickness	.045″ (1.143mm)
Approvals	
NEC	FPLR-CI
California State Fire Marshall	
NEC Articles	760
Voltage Rating	300V
Temperature Rating	105°C
Nominal Capacitance	
18 AWG	27 pF/ft.
16 AWG	31 pF/ft.
14 AWG	33 pF/ft.
12 AWG	37 pF/ft. *
	40 pF/ft. **

 * 5020FM and 5022FM
** 5000FM and 5002FM

Note: 2-conductor versions are color-coded black and red.
4 or more conductor versions are all black and numbered.

Applications

- Circuit Integrity
- Fire Alarm Circuit Integrity
- Survivability
- Survivability from Attack by Fire

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Insulation Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Shielded Multi-conductor (NEC FPLR-CI)										
18 AWG										
5320FM new	2	solid	1000	305	50.0	22.7	.034	.86	.31	7.87
5322FM new	4	solid	1000	305	78.0	35.4	.034	.86	.36	9.14
5324FM new	6	solid	1000	305	106.0	48.1	.034	.86	.42	10.67
5326FM new	8	solid	1000	305	129.0	58.5	.034	.86	.46	11.61
5300FM new	2	(7x26)	1000	305	57.0	25.9	.034	.86	.32	8.13
5302FM new	4	(7x26)	1000	305	103.0	46.7	.034	.86	.37	9.40
5304FM new	6	(7x26)	1000	305	122.0	55.3	.034	.86	.44	11.18
5306FM new	8	(7x26)	1000	305	148.0	67.1	.034	.86	.47	11.94
16 AWG										
5220FM new	2	solid	1000	305	66.0	29.9	.034	.86	.33	8.38
5222FM new	4	solid	1000	305	103.0	46.7	.034	.86	.38	9.65
5200FM new	2	(7x24)	1000	305	71.0	32.2	.034	.86	.35	8.89
5202FM new	4	(7x24)	1000	305	112.0	50.8	.034	.86	.40	10.16
14 AWG										
5120FM new	2	solid	1000	305	84.0	38.1	.034	.86	.36	9.14
5122FM new	4	solid	1000	305	133.0	60.3	.034	.86	.41	10.41
5100FM new	2	(7x22)	1000	305	93.0	42.2	.034	.86	.38	9.65
5102FM new	4	(7x22)	1000	305	149.0	67.6	.034	.86	.44	11.18
12 AWG										
5020FM new	2	solid	1000	305	112.0	50.8	.034	.86	.39	9.91
5022FM new	4	solid	1000	305	183.0	83.0	.034	.86	.46	11.68
5000FM new	2	(7x20)	1000	305	117.0	53.1	.034	.86	.42	10.67
5002FM new	4	(7x20)	1000	305	189.0	85.7	.034	.86	.48	12.19

FRPE = Flame-retardant Polyethylene

Speaker Cable
Commercial Audio Systems
Unshielded, Riser-Rated

NEW GENERATION®

Unshielded Multi-conductor
CMR/CMG FT4 Rated or CL3R Rated

Product Description

Bare copper conductors, PVC insulation, Gray PVC jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	PVC
Insulation Thickness	
22 to 16 AWG	.010″ (.254mm)
14 to 12 AWG	.014″ (.356mm)
NEC Articles	725
Jacket	PVC
Approvals	
NEC (22 to 16 AWG)	CMR FPLR†
CEC (22 to 16 AWG)	CMG FT4
NEC (14 to 12 AWG)	CL3R
NEC Articles	
22 to 16 AWG	800
14 to 12 AWG	725
Voltage Rating	300V
Temperature Rating	75°C

†CMR FPLR dual rating for 5000UE, 5100UE, 5000FE and 5100FE only.

Applications

- Intercom/PA Systems
- Sound/Audio Systems
- Security Systems
- Power Limited Controls
- Single Line Telephone

Solid Conductor

Stranded Conductor

Color Code Chart

(22 to 16 AWG)

Cond. No.	Color
1	Black
2	Red
3	White

(14 to 12 AWG)

Cond. No.	Color
1	Black
2	White
3	Red

20 • New Generation® Cables

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Unshielded Multi-conductor (NEC CMR and CEC CMG FT4)										
22 AWG										
5520UE	2	solid	C-500	C-152	4.0	1.8	.015	.38	.122	3.10
			U-500	U-152	5.5	2.5				
			C-1000	C-305	8.0	3.6				
			U-1000	U-305	9.0	4.1				
			1000	305	9.0	4.1				
5500UE	2	7	C-500	C-152	4.0	1.8	.015	.38	.128	3.25
			U-500	U-152	5.5	2.5				
			500	152	5.5	2.5				
			C-1000	C-305	8.0	3.6				
			U-1000	U-305	10.0	4.5				
			1000	305	9.0	4.1				
5501UE	3	7	U-1000	U-305	13.0	5.9	.015	.38	.135	3.43
			1000	305	13.0	5.9				
20 AWG										
5400UE	2	7	C-500	C-152	6.0	2.7	.015	.38	.142	3.61
			U-1000	U-305	13.0	5.9				
			1000	305	13.0	5.9				
5401UE	3	7	500	152	9.0	4.1	.015	.38	.150	3.81
			U-1000	U-305	18.0	8.2				
			1000	305	18.0	8.2				
18 AWG										
5320UE	2	solid	C-500	C-152	7.5	3.4	.015	.38	.151	3.84
			U-1000	U-305	17.0	7.7				
5300UE*	2	7	C-500	C-152	8.5	3.9	.015	.38	.161	4.09
			U-500	U-152	9.5	4.3				
			500	152	9.5	4.3				
			U-1000	U-305	17.0	7.7				
			1000	305	18.0	8.2				
5321UE	3	solid	U-1000	U-305	23.0	10.4	.015	.38	.160	4.06
			1000	305	23.0	10.4				
5301UE	3	7	500	152	12.5	5.7	.015	.38	.171	4.34
			U-1000	U-305	25.0	11.3				
			1000	305	25.0	11.3				
16 AWG										
5200UE	2	19	C-500	C-152	11.5	5.2	.015	.38	.184	4.67
			U-500	U-152	13.0	5.9				
			500	152	12.5	5.7				
			U-1000	U-305	24.0	10.9				
			1000	305	25.0	11.4				
5201UE	3	19	U-500	U-152	18.5	8.4	.015	.38	.196	4.98
			500	152	18.0	8.2				
			U-1000	U-305	35.0	15.9				
			1000	305	38.0	17.3				
Unshielded Multi-conductor (NEC CL3R)										
14 AWG										
5100UE**	2	19	500	152	20.0	9.1	.015	.38	.234	5.94
			U-1000	U-305	38.0	17.2				
			1000	305	40.0	18.2				
5101UE	3	19	1000	305	56.0	25.4	.015	.38	.249	6.32
12 AWG										
5000UE**	2	19	500	152	29.0	13.2	.015	.38	.268	6.81
			1000	305	57.0	25.9				
5001UE	3	19	1000	305	82.0	37.3	.015	.38	.286	7.26

  * 5300UE also available in White or Black.
  ** 5100UE and 5000UE also available in Red.

High Strand Speaker Cable
Commercial Audio Systems
Unshielded, High-Flex and High-Purity

NEW GENERATION®

**High Strand
Unshielded Multi-conductor**
CM, CL3 or CL2 Rated

Product Description

Bare high-conductivity ETP copper conductors, highly stranded for ultra flexibility, high-grade PVC insulation, PVC jacket with rip cord. Available jacket colors: Blue, Green, White, Black and Gray. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare High-conductivity ETP Copper
Insulation	High-grade PVC
Insulation Thickness	
18 AWG to 16 AWG	.015″ (.381mm)
14 AWG to 10 AWG	.020″ (.508mm)
Jacket	PVC
Approvals	
NEC (18 AWG & 16 AWG)	CM
NEC (14 AWG & 12 AWG)	CL3
NEC (10 AWG)	CL2, Audio Use Only
Temperature Rating	75°C

Applications

- Speaker Systems
- Sound/Audio Systems
- Intercom/PA Systems
- Home Theater and Entertainment Systems
- Stadium and Arena Speaker Systems

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
High Strand Unshielded Multi-conductor (NEC CM, CL3 or CL2)										
18 AWG (NEC CM)										
5300UP	2	42	U-500	U-152	11.0	5.0	.015	.38	.184	4.67
			500	152	12.0	5.5				
			U-1000	U-305	20.0	9.1				
			1000	305	20.0	9.1				
5302UP	4	42	U-500	U-152	18.5	8.4	.015	.38	.216	5.49
			500	152	19.0	8.6				
			U-1000	U-305	35.0	15.9				
			1000	305	37.0	16.8				
16 AWG (NEC CM)										
5200UP	2	65	U-500	U-152	14.5	6.6	.015	.38	.208	5.28
			500	152	14.5	6.6				
			U-1000	U-305	28.0	12.7				
			1000	305	28.0	12.7				
5202UP	4	65	U-500	U-152	25.5	11.6	.015	.38	.244	6.20
			500	152	26.0	11.8				
			U-1000	U-305	49.0	22.2				
			1000	305	51.0	23.2				
14 AWG (NEC CL3)										
5100UP	2	42	U-500	U-152	21.0	9.5	.015	.38	.260	6.60
			500	152	22.5	10.2				
			U-1000	U-305	41.0	18.6				
			1000	305	43.0	19.5				
5102UP	4	42	500	152	41.0	18.6	.018	.46	.313	7.95
			1000	305	81.0	36.8				
12 AWG (NEC CL3)										
5000UP	2	65	U-500	U-152	31.0	14.1	.018	.46	.302	7.67
			500	152	32.5	14.7				
			1000	305	64.0	29.1				
5002UP	4	65	500	152	60.0	27.2	.018	.46	.357	9.07
			1000	305	121.0	55.0				
10 AWG (NEC CL2 • Audio Use Only)										
5T00UP*	2	65	500	152	49.5	22.5	.026	.66	.356	9.04
			1000	305	96.0	43.6	For Plenum version of 5T00UP, see 6T00UP on page 13.60.			

*Available in Gray only.

Color Code Chart

Cond. No.	Color
1	Black
2	White
3	Red
4	Green

Audio Cable
Commercial Audio Systems
Shielded, Riser-Rated or CL3R Rated

NEW GENERATION®

Shielded Multi-conductor
CMR/CMG FT4 Rated or CL3R Rated

Product Description

Bare copper conductors, PVC insulation, conductors cabled, Beldfoil® shield tape (foil side out) with drain wire, Gray PVC jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

|	
Conductor	Bare Copper
Insulation	PVC
Insulation Thickness	
24 to 16 AWG	.010″ (.254mm)
14 to 12 AWG	.014″ (.356mm)
Shield	Beldfoil
Jacket	PVC
Approvals	
NEC (24 to 16 AWG)	CMR FPLR†
CEC (24 to 16 AWG)	CMG FT4
NEC (14 to 12 AWG)	CL3R
NEC Articles	
24 to 16 AWG	800
14 to 12 AWG	725
Voltage Rating	300V
Temperature Rating	75°C

†CMR FPLR dual rating for 5000UE, 5100UE, 5000FE and 5100FE only.
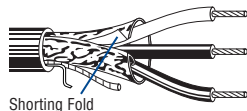
Applications

- Intercom/PA Systems
- Sound/Audio Systems
- Fire Alarm Systems (Red Only)

Solid Conductor
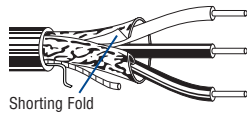
Shorting Fold

Stranded Conductor

Shorting Fold

Color Code Chart

(24 to 16 AWG)			(14 to 12 AWG)	
Cond. No.	**Color**		**Cond. No.**	**Color**
1	Black		1	Black
2	Red		2	White
3	White		3	Red

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Shielded Multi-conductor (NEC CMR and CEC CMG FT4)

Part No.	No. of Cond.	Stranding	Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
24 AWG										
5600FE	2	7	U-1000	U-305	11.0	5.0	.015	.38	.120	3.05
			1000	305	10.0	4.5				
22 AWG										
5520FE	2	solid	C-500	C-152	6.5	3.0	.015	.38	.125	3.18
			C-1000	C-305	13.0	5.9				
			U-1000	U-305	14.0	6.4				
			1000	305	14.0	6.4				
5500FE	2	7	C-500	C-152	5.5	2.5	.015	.38	.130	3.30
			U-500	U-152	6.5	3.0				
			500	152	6.5	3.0				
			U-1000	U-305	12.0	5.5				
			1000	305	12.0	5.5				
5521FE	3	solid	U-1000	U-305	12.0	5.4	.015	.38	.132	3.35
			1000	305	12.0	5.4				
5501FE	3	7	C-500	C-152	7.0	3.2	.015	.38	.138	3.51
			U-500	U-152	8.0	3.6				
			500	152	7.5	3.4				
			U-1000	U-305	15.0	6.8				
			1000	305	15.0	6.8				
20 AWG										
5400FE	2	7	U-500	U-152	9.0	4.1	.015	.38	.145	3.68
			500	152	8.5	3.9				
			U-1000	U-305	17.0	7.7				
			1000	305	17.0	7.7				
5421FE	3	solid	U-1000	U-305	20.0	9.1	.015	.38	.146	3.71
5401FE	3	7	U-500	U-152	11.0	5.0	.015	.38	.153	3.89
			500	152	10.5	4.8				
			U-1000	U-305	21.0	9.5				
			1000	305	21.0	9.5				
18 AWG										
5320FE	2	solid	C-500	C-152	10.0	4.5	.015	.38	.155	3.94
			U-1000	U-305	21.0	9.5				
			1000	305	21.0	9.5				
5300FE	2	7	C-500	C-152	11.0	5.0	.015	.38	.165	4.19
			U-500	U-152	12.0	5.4				
			500	152	12.0	5.4				
			U-1000	U-305	23.0	10.4				
			1000	305	23.0	10.4				
5301FE	3	7	U-500	U-152	15.5	7.0	.015	.38	.175	4.45
			500	152	15.0	6.8				
			U-1000	U-305	30.0	13.6				
			1000	305	30.0	13.6				
16 AWG										
5200FE*	2	19	U-500	U-152	16.5	7.5	.015	.38	.188	4.78
			500	152	16.5	7.5				
			U-1000	U-305	31.0	14.1				
			1000	305	32.0	14.5				
5201FE	3	19	500	152	21.5	9.8	.015	.38	.200	5.08
			U-1000	U-305	42.0	19.1				
			1000	305	42.0	19.1				

Shielded Multi-conductor (NEC CL3R)

Part No.	No. of Cond.	Stranding	Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
14 AWG										
5100FE**	2	19	500	152	28.5	13.0	.015	.38	.238	6.05
			U-1000	U-305	49.0	22.3				
			1000	305	51.0	23.2				
5101FE	3	19	1000	305	66.0	30.0	.015	.38	.253	6.43
12 AWG										
5000FE**	2	19	500	152	36.5	16.6	.015	.38	.272	6.91
			1000	305	67.0	30.4				

 * 5200FE also available in White.
 ** 5100FE and 5000FE also available in Red (rating FPLR).

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Audio Cable
Commercial Audio Systems
Unshielded, Plenum-Rated

NEW GENERATION®

Unshielded Multi-conductor
CMP FT6 Rated or CL2P Rated

Product Description

Bare copper conductors, Flamarrest® insulation, conductors cabled, Natural Flamarrest jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	
22 to 16 AWG	.009″ (.229mm)
14 to 10 AWG	.011″ (.279mm)
Jacket	Flamarrest
Approvals	
NEC (22 to 16 AWG)	CMP
CEC (22 to 16 AWG)	CMP FT6
NEC (14 to 10 AWG)	CL2P
NEC Articles	
22 to 16 AWG	800
14 to 10 AWG	725
Voltage Rating	
22 to 16 AWG	300V
14 to 10 AWG	150V
Temperature Rating	75°C

Applications

- Intercom/PA Systems
- Sound/Audio Systems

Solid Conductor

Stranded Conductor

Color Code Chart

(22 to 16 AWG)		(14 to 10 AWG)	
Cond. No.	Color	Cond. No.	Color
1	Black	1	Black
2	Red	2	White
3	White	3	Red

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Unshielded Multi-conductor (NEC CMP and CEC CMP FT6)

22 AWG

Part No.	No. of Cond.	Stranding	Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
6520UE	2	solid	U-1000	U-305	10.0	4.5	.015	.38	.118	3.00
			1000	305	9.0	4.1				
6500UE	2	7	C-500	C-152	4.5	2.0	.015	.38	.124	3.15
			C-1000	C-305	9.0	4.1				
			U-1000	U-305	10.0	4.5				
			1000	305	10.0	4.5				
6521UE	3	solid	1000	305	13.0	5.9	.015	.38	.125	3.18
6501UE	3	7	U-1000	U-305	14.0	6.4	.015	.38	.131	3.33
			1000	305	13.0	5.9				

20 AWG

Part No.	No. of Cond.	Stranding	Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
6400UE	2	7	C-500	C-152	6.0	2.7	.015	.38	.138	3.51
			500	152	7.0	3.2				
			U-1000	U-305	14.0	6.4				
			1000	305	14.0	6.4				
6401UE	3	7	U-1000	U-305	19.0	8.6	.015	.38	.146	3.71
			1000	305	18.0	8.2				
			5000	1524	90.0	40.9				

18 AWG

Part No.	No. of Cond.	Stranding	Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
6320UE	2	solid	U-1000	U-305	17.0	7.7	.015	.38	.147	3.73
6300UE	2	7	C-500	C-152	8.0	3.6	.015	.38	.157	3.99
			U-500	U-152	9.5	4.3				
			500	152	9.0	4.1				
			U-1000	U-305	18.0	8.2				
			1000	305	18.0	8.2				
			5000	1524	90.0	40.9				
6321UE	3	solid	U-1000	U-305	24.0	10.9	.015	.38	.156	3.96
			1000	305	24.0	10.9				
6301UE	3	7	500	152	12.5	5.7	.015	.38	.168	4.27
			U-1000	U-305	25.0	11.4				
			1000	305	25.0	11.4				

16 AWG

Part No.	No. of Cond.	Stranding	Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
6200UE	2	19	500	152	13.0	5.9	.015	.38	.180	4.57
			U-1000	U-305	25.0	11.3				
			1000	305	26.0	11.8				
6201UE	3	19	500	152	18.0	8.2	.015	.38	.191	4.85
			U-1000	U-305	36.0	16.4				
			1000	305	37.0	16.8				

Unshielded Multi-conductor (NEC CL2P)

14 AWG

Part No.	No. of Cond.	Stranding	Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
6100UE	2	19	500	152	19.5	8.9	.015	.38	.222	5.64
			U-1000	U-305	38.0	17.2				
			1000	305	38.0	17.2				
			5000	1524	195.0	88.5				
6101UE	3	19	1000	305	56.0	25.4	.015	.38	.236	5.99

12 AWG

Part No.	No. of Cond.	Stranding	Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
6000UE	2	19	500	152	32.0	14.5	.015	.38	.256	6.50
			1000	305	58.0	26.4				
6001UE	3	19	1000	305	83.0	37.7	.015	.38	.273	6.93

10 AWG (For Audio Use Only)

Part No.	No. of Cond.	Stranding	Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
6T00UP	2	65	1000	305	85.0	38.6	.015	.38	.308	7.82

Audio Cable
Commercial Audio Systems
Shielded, Plenum-Rated

NEW GENERATION®

Shielded Multi-conductor
CMP FT6 Rated or CL2P Rated

Product Description

Bare copper conductors, Flamarrest® insulation, conductors cabled, overall Beldfoil® tape shield (foil side out) and drain wire, Natural Flamarrest jacket with rip cord. Sequential footage marking every two feet.
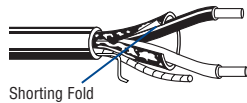
Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	
22 to 16 AWG	.009″ (.229mm)
14 to 12 AWG	.011″ (.279mm)
Shield	Beldfoil
Jacket	Flamarrest
Approvals	
NEC (22 to 16 AWG)	CMP
CEC (22 to 16 AWG)	CMP FT6
NEC (14 to 12 AWG)	CL2P
NEC Articles	
22 to 16 AWG	800
14 to 12 AWG	725
Voltage Rating	
22 to 16 AWG	300V
14 to 12 AWG	150V
Temperature Rating	75°C

Applications

• Intercom/PA Systems
• Sound/Audio Systems

Solid Conductor

Shorting Fold

Stranded Conductor

Shorting Fold

Color Code Chart

(22 to 16 AWG)

Cond. No.	Color
1	Black
2	Red
3	White

(14 to 12 AWG)

Cond. No.	Color
1	Black
2	White
3	Red

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Shielded Multi-conductor (NEC CMP and CEC CMP FT6)

Part No.	No. of Cond.	Stranding	Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
22 AWG										
6520FE	2	solid	C-500	C-152	6.0	2.7	.015	.38	.122	3.10
			C-1000	C-305	12.0	5.4				
			U-1000	U-305	13.0	5.9				
			1000	305	13.0	5.9				
6500FE	2	7	C-500	C-152	5.5	2.5	.015	.38	.128	3.25
			U-500	U-152	7.0	3.2				
			500	152	7.0	3.2				
			C-1000	C-305	11.0	5.0				
			U-1000	U-305	13.0	5.9				
			1000	305	13.0	5.9				
6521FE	3	solid	1000	305	16.0	7.3	.015	.38	.129	3.28
6501FE	3	7	500	152	8.0	3.6	.015	.38	.135	3.43
			U-1000	U-305	16.0	7.3				
			1000	305	16.0	7.3				
20 AWG										
6420FE	2	solid	C-500	C-152	7.0	3.2	.015	.38	.134	3.40
			U-1000	U-305	16.0	7.3				
			1000	305	15.0	6.8				
6400FE	2	7	C-500	C-152	7.5	3.4	.015	.38	.142	3.60
			U-1000	U-305	17.0	7.7				
			1000	305	17.0	7.7				
6401FE	3	7	U-1000	U-305	21.0	9.5	.015	.38	.150	3.81
			1000	305	22.0	10.0				
18 AWG										
6320FE	2	solid	C-500	C-152	10.5	4.7	.015	.38	.150	3.81
			1000	305	22.0	10.0				
6300FE	2	7	C-500	C-152	11.0	5.0	.015	.38	.162	4.11
			U-500	U-152	12.0	5.4				
			500	152	12.0	5.4				
			U-1000	U-305	23.0	10.4				
			1000	305	23.0	10.4				
6301FE	3	7	U-500	U-152	15.5	7.0	.015	.38	.172	4.32
			U-1000	U-305	30.0	13.6				
			1000	305	31.0	14.1				
16 AWG										
6200FE	2	19	500	152	16.5	7.5	.015	.38	.184	4.67
			1000	305	33.0	15.0				
6201FE	3	19	500	152	22.5	10.2	.015	.38	.195	4.95
			U-1000	U-305	43.0	19.5				
			1000	305	45.0	20.5				

Shielded Multi-conductor (NEC CL2P)

Part No.	No. of Cond.	Stranding	Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
14 AWG										
6100FE	2	19	500	152	25.0	11.3	.015	.38	.220	5.59
			U-1000	U-305	49.0	22.2				
			1000	305	51.0	23.2				
6101FE	3	19	1000	305	66.0	30.0	.015	.38	.234	5.94
12 AWG										
6000FE	2	19	500	152	36.0	16.4	.015	.38	.260	6.60
			1000	305	68.0	30.9				

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Audio Cable
Pro Audio and Intercom Systems
Shielded, Plenum-Rated

NEW GENERATION®

Shielded Multi-conductor
CMP FT6 Rated

Product Description

Bare copper conductors, FEP insulation, cabled with a Beldfoil® shield tape and drain wire. Natural Flamarrest® jacket.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	FEP
Insulation Thickness	
22 AWG	.0055″ (.140mm)
20 AWG	.0060″ (.152mm)
18 AWG	.0060″ (.152mm)
Shield	Beldfoil
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

• Pro Audio
• Intercom/PA Systems
• Security Systems

Shorting Fold

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Shielded Multi-conductor (NEC CMP and CEC CMP FT6)										
22 AWG										
6500FC	2	7	U-1000	U-305	11.0	5.0	.015	.38	.116	2.95
			1000	305	11.0	5.0				
6502FC	4	7	1000	305	18.0	8.2	.015	.38	.133	3.38
20 AWG										
6400FC	2	7	U-1000	U-305	15.0	6.8	.015	.38	.133	3.38
18 AWG										
6300FC	2	7	U-1000	U-305	23.0	10.4	.017	.42	.155	3.94
			1000	305	22.0	10.0				
6302FC	4	7	1000	305	34.0	15.5	.017	.42	.179	4.55

Color Code Chart

Cond. No.	Color
1	Black
2	Red
3	White
4	Green

Audio Cable
Commercial Sound/Nurse Call Systems
Unshielded, Non-Plenum

NEW GENERATION®

**Unshielded,
Pairs or Multi-conductor**
CM Rated

Product Description

24 AWG solid bare copper conductors, polypropylene or polyolefin insulation, Dark Gray PVC jacket with rip cord.

Color Code: See Charts below.

Specifications

Conductor	Bare Copper
Insulation	
Multiconductor	Polypropylene
Paired	Polyolefin
Insulation Thickness	.0065″ (.165mm)
Jacket	PVC
Nominal Capacitance	
Multiconductor	17 pF/ft.
Paired	15 pF/ft.
Approvals	
NEC	CM
CEC	CM
Voltage Rating	300V

Applications

• Nurse Call Systems
• Commercial Sound Systems
• Annunciators
• Voice Systems
• Paging
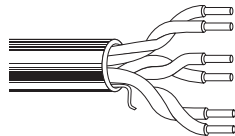
Paired

Multi-conductor

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Unshielded, Paired (NEC CM and CEC CM FT1)										
24 AWG, Cat. 5e										
5662UG new	6 (3/pr)	solid	1000	304.8	16.0	8.62	—	—	.172	4.37
Unshielded, Multi-conductor (NEC CM and CEC CM)										
24 AWG										
5626UG new	8	solid	1000	304.8	29.0	13.15	.030	.762	.093 x .324	2.36 x 8.23
5624UG new	6	solid	1000	304.8	19.0	8.62	.024	.610	.081 x .246	2.06 x 6.25

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Color Code Chart
(5662UG)

Pair No.	Color Combinations
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green

Color Code Chart
(5626UG)

Cond. No.	Color
1	Yellow
2	Blue
3	Black
4	Orange
5	Red
6	Green
7	White
8	Purple

Color Code Chart
(5624UG)

Cond. No.	Color
1	Blue
2	Black
3	Orange
4	Red
5	Green
6	White

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Audio Cable
Commercial Sound/Nurse Call Systems
Unshielded, Plenum-Rated

NEW GENERATION®

Unshielded,
Pairs or Multi-conductor
CMP Rated

Product Description

24 AWG solid bare copper conductors, FEP insulation, Dark Gray Flamarrest® jacket with rip cord.
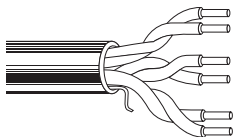
Color Code: See Charts below.

Specifications

Conductor	Bare Copper
Insulation	FEP
Insulation Thickness	.007″ (.178mm)
Jacket	Flamarrest
Nominal Capacitance	15 pF/ft.
Approvals	
NEC	CMP
CEC	CMP FT6
Voltage Rating	300V

Applications

- Nurse Call Systems
- Commercial Sound Systems
- Annunciators
- Voice Systems
- Paging

Paired

Multi-conductor

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Plenum-rated, Unshielded, Pairs (NEC CMP and CEC CMP FT4, FT6)										
24 AWG, Cat. 5e										
6662UG new	6 (3/pr)	solid	1000	304.8	23.0	10.4	—	—	.165	4.19
Plenum-rated, Unshielded, Multi-conductor (NEC CMP and CEC CMP FT6)										
24 AWG										
6626UG new	8	solid	1000	304.8	28.0	12.70	.019	.483	.072 x .310	1.83 x 7.87
6624UG new	6	solid	1000	304.8	21.0	9.53	.019	.483	.072 x .246	1.83 x 6.25

Color Code Chart
(6662UG)

Pair No.	Color Combinations
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green

Color Code Chart
(6626UG)

Cond. No.	Color
1	Yellow
2	Blue
3	Black
4	Orange
5	Red
6	Green
7	White
8	Purple

Color Code Chart
(6624UG)

Cond. No.	Color
1	Blue
2	Black
3	Orange
4	Red
5	Green
6	White