



Pico Macom's series of quality manufactured connectivity components can help maintain drop system integrity and reliability!

- Connectors
- Adapters
- Jumpers
- Bulk Cable
- Grounding Components
- Drop-Line Installation
- Hardware
- Wiring Accessories
- Wall-Plates
- Weatherproofing

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### **RG6-127 Series**

**RG6-Series Coaxial Drop Cable** 



- ◆ UL Rated (RG6-127U) E197429CM, CATV, CL2
- ♦ 100% Sweep Tested to 2200 MHz
- ◆ 25 dB minimum return loss (5~1000 MHz)
- Strength and durability provided by AWG18 copper clad steel conductor
- ♦ 4.57mm nominal OD foam-PE Dielectric
- Foil Inner-Shield bonded to the dielectric and stranded Aluminum 60% braid
- 1.3mm Steel messenger to provide cable span stress relief
- 6.93mm black PVC jacket with UV inhibitor
- Easy cable preparation

Center Conductor	1.02mm OD Copper Clad Steel	Characteristic Impedance	75Ω
Dielectric	4.57mm OD Foamed PE	DC Loop Resistance	20Ω/1000ft
Braid	Stranded	SRL Min 5~1000 MHz SRL Min	25 dB
Jacket	Aluminum 60% 6.93mm PVC	1001~2250 MHz	20 dB
Messenger	1.3mm OD Steel		

#### **Ordering Information**

-	
RG6-127	RG-6 Coaxial Drop Cable
RG6-127U	RG-6 Coaxial Drop Cable (UL Listing)
RG6-127M	RG-6 Coaxial Drop Cable (w/ Messenger)
RG6-127MU	RG-6 Coaxial Drop Cable (w/ Messenger) (UL Listing)

### RG11-127 Series

**RG11-Series Coaxial Distribution Cable** 



- ♦ 100% Sweep Tested to 2200 MHz
- 20 dB minimum return loss (5~1000 MHz)
- Strength and durability provided by 1.63mm copper clad steel conductor
- ♦ 7.11mm nominal OD foam-PE Dielectric
- Foil Inner-Shield bonded to the dielectric and stranded Aluminum 60% braid
- 1.83mm Steel messenger to provide cable span stress relief
- 10.03mm nom black PVC jacket
- ♦ Easy cable preparation
- UL Rated CM, CL2, CATV

Center Conductor	1.63mm OD Copper Clad Steel	Characteristic Impedance	75Ω
Dielectric	7.11mm OD	DC Loop Resistance	11Ω/1000ft
	Foamed PE	SRL Min 5~1000 MHz	20 dB
Braid	Stranded Aluminum 60%	SRL Min	
Jacket	10.03mm PVC	1001~2250 MHz	15 dB
Messenger	1.83mm OD Steel		

#### **Ordering Information**

RG11-127	RG-11 Coaxial Distribution Cable
RG11-127U	RG-11 Coaxial Distribution Cable (UL Compliant)
RG11-127M	RG-11 Coaxial Distribution Cable (w/ Messenger)
RG11-127MU	RG-11 Coaxial Distribution Cable (w/ Messenger) (UL Compliant)

PICO MACOM<sup>®</sup>

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### **RG6 Series**

**RG-6 Series Coaxial Drop Cable** 



- Precision Digital Cable 100% Sweep Tested to 2200 MHz
- Strength and durability provided by AWG18 solid copper center conductor
- 0.193" nominal OD CPE Dielectric for consistent impedance characteristics, minimizing micro-reflections that cause distortions and thus reducing data bit errors
- Aluminum Braid and 100% Foil Inner-Shield provide excellent EMI shielding, eliminating signal ingress and guaranteeing distortion free pictures
- Available with galvanized steel messenger to provide cable span stress relief, preserving electrical integrity and increasing lifespan
- 0.275" nom OD black PVC jacket provides protective shielding from harmful moisture and elements
- Easy cable preparation; dielectric strips away clean from center conductor without scraping other cables require
- Meets NEC article 820-V-rating min

Center Conductor	1.02mm OD Copper Clad Steel	Characteristic Impedance	75Ω
Dielectric	4.57mm OD	DC Loop Resistance	20Ω/1000ft
	Foamed PE	SRL Min 5~1000 MHz	25 dB
Braid	Stranded Aluminum 60%	SRL Min 1001~2250 MHz	20 dB
Jacket	6.93mm PVC		
Messenger	1.3mm OD Steel		

### **Ordering Information**

RG-6 Coaxial Drop Cable (100' reel) (black)
RG-6 Coaxial Drop Cable (100' reel) (grey)
RG-6 Coaxial Drop Cable (100' reel) (ivory)
RG-6 Coaxial Drop Cable (100' reel) (white)
RG-6 Coaxial Drop Cable w/ ground (100' reel) (black)
RG-6 Coaxial Drop Cable w/ ground (100' reel) (white)
RG-6 Coaxial Drop Cable (100' box) (black)
RG-6 Coaxial Drop Cable (100' box) (grey)
RG-6 Coaxial Drop Cable (100' box) (ivory)
RG-6 Coaxial Drop Cable (100' box) (white)
RG-6 Coaxial Drop Cable w/ messenger (100' reel) (black)
RG-6 Coaxial Drop Cable w/ messenger (100' reel) (white)
RG-6 Coaxial Drop Cable w/ quad shield (100' box) (black)
RG-6 Coaxial Drop Cable w/ quad shield (100' box) (white)
RG-6 Coaxial Drop Cable (dual) (100' reel) (black)
RG-6 Coaxial Drop Cable (dual) (100' reel) (white)
RG-6 Coaxial Drop Cable w/ ground (dual) (100' reel) (black)
RG-6 Coaxial Drop Cable w/ ground (dual) (100' reel) (white)

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**JRR Series** 

### Single-Molded RCA Patch Cables



- Single RCA to RCA Plug Patch Cables provide quick connections
- Stranded Copper Center Conductor provides increased signal transfer
- Spiral-Wound Copper Shield protects signals from harmful interference
- Flexible Outer Jacket for neat dressing of cabling
- Fully Molded Construction improves strength at cable connector interface
- Nickel Plating provides solid outer shield conduction

## **JRR-D** Series

**Dual-Molded RCA Patch Cables** 



- Dual cable with RCA plugs optimally designed for stereo audio applications
- Stranded Copper Center Conductor provides increased signal transfer
- Spiral-Wound Copper Shield protects signals from harmful interference
- Flexible Outer Jacket for neat dressing of cabling
- Fully Molded Construction improves strength at cable connector interface
- Nickel or Gold Connector Plating provides solid outer shield conduction

Center Conductor Shielding Outer Jacket Connector Type

AWG22 95% Copper PVC Molded RCA

#### **Ordering Information**

JRR-1	12" RCA patch cable
JRR-2	24" RCA patch cable
JRR-3	36" RCA patch cable
JRR-6	72" RCA patch cable

#### Center Conductor AWG22 Shielding 95% Copper Outer Jacket PVC Connector Type Molded RCA

#### **Ordering Information**

JRR-1D	12" Dual RCA patch cable	JRR-6D	72" Dual RCA patch cable
JRR-1.5D	18" Dual RCA patch cable	JRR-12D	144" Dual RCA patch cable
JRR-3D	36" Dual RCA patch cable	JRR-12DG	144" Dual Gold RCA patch cable
JRR-3DG	36" Dual Gold RCA patch cable		



Triple-Molded RCA Patch Cables



- Triple patch cables with RCA plugs
- Ideally suited for use in applications with video and stereo audio connections
- Low-Loss RG59 coaxial cable perfect for video applications
- Stranded Copper Center Conductor provide increased audio signal transfer ٠
- Spiral-Wound Copper Shield protects signals from harmful interference •
- Flexible Outer Jacket for neat dressing of cabling
- Fully Molded Construction improves strength at cable connector interface
- Nickel or Gold Connector Plating provides solid outer shield conduction

### **JRR-6F**

Single-Molded F Patch Cable



- RF patch cable with "F" connectors
- Ideally suited for use in applications with video or RF signals
- Low-Loss RG59 coaxial cable perfect for video applications
- Solid Copper-Clad Center Conductor provides increased audio signal transfer
- Spiral-Wound Copper Shield protects signals from harmful interference
- Flexible Outer Jacket for neat dressing of cabling
- Fully Molded Construction improves strength at cable connector interface
- Nickel Plating provides solid outer shield conduction

Video Cable	75Ω
Center Conductor	AWG22 copper clad steel
Shielding	100% aluminum foil
Braid	40% Tinned-Copper
Audio Cable	600Ω

Center Conductor 2 copper clad Shielding aluminum foil Connector Type

AWG22 Stranded Copper 95% Copper Molded RCA

Impedance	$75\Omega$
Center Conductor	AWG22 c steel
Shielding	100% alu
Braid	40% Tinn
Connector Type	Molded F



D-5

**Ordering Information** 

	•
JRR-3TG	36" Triple Gold RCA patch cable
JRR-6T	72" Triple RCA patch cable
JRR-6TG	72" Triple Gold RCA patch cable
JRR-12T	144" Triple RCA patch cable

JRR-12TG 144" Triple Gold RCA patch cable



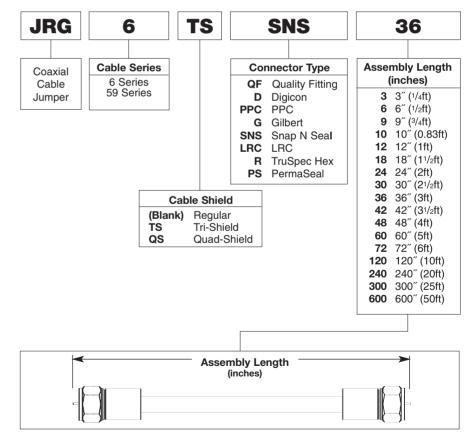
**JRG Series** 

Custom Pre-Assembled Coaxial Cable Jumpers



- Pico Macom's highly experienced staff provides professional value-added design assistance to custom configure cable assemblies for specific applications
- Save valuable time and money—Preconnectorized cable jumper assemblies provide convenience and significant onsite labor cost reduction—We supply the most competitive pricing in the industry
- Highly efficient manufacturing facilities with production capacity of 3 million jumpers per month
- Used in broadband coaxial network applications such as CATV, satellite and high-speed Internet
- Custom lengths provide quick connections between terminal and drop devices such as digital converters, cable modems, splitters, ground blocks, traps and NIDs
- Wide variety of coaxial cable options available in different colors, 60-75% braids, Tri-Shield or Quad Shield Cable from CommScope, Times Fiber, Belden or costeffective high-grade offshore cable
- ◆ Terminated with high-grade compression or hex-crimped F connectors including Digicon, Gilbert, PPC, LRC, T&B Snap-n-Seal or Steren's PermaSeal-II™
- Specialty assemblies available, connectorized with BNC, RCA, UHF, N, SMA or Motorola types
- Each jumper 100% fully factory tested to ensure high reliability and performance
- Available in bulk or individual custom labeled packing
- Value-added capabilities also include design, custom set-top-box kitting and packaging
- Designed to exceed NEC and UL specifications

### **Ordering Information**





### **GRB-HRL** Series

**3 GHz Grounding Components** 



- Embedded TruSpec F-81HRL splices for superb digitalready broadband performance to 3 GHz
- Gold-plated round seizing pins maximize center conductor surface contact
- + Flat-ended ports on both ends maximize connector-toshield surface contact
- Impressive return loss up to 3 GHz
- Low insertion loss provides unsurpassed performance
- Zinc-alloy housing ensures long corrosion-free service
- Precision machined threads ensure maximum . со
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- G gr

<ul> <li>connectivity</li> <li>High 8-Ampe</li> <li>Mounting tal (Slotted, Herinstallations</li> <li>GRB-2HRL</li> </ul>	ere DC continu os with conver x, Phillips) ena	ds ensure maximum lous current handling nient 3-way mountin ables easy and cost- RL/3G3 provide multi	g capacity g screws -effective	0	abs with conve ex, Phillips) en	nient 3-way mountin ables easy and cos	0	0	bs with conve x, Phillips) en	,	0	
Bandwidth Contact Plating Barrel Material Barrel Plating	DC~3 GHz 24K Gold Brass Nickel	Return Loss Impedance Ground Receptacle Body	30 dB 75Ω AWG8 Zinc alloy	Bandwidth Contact Plating Return Loss	DC~2.2 GHz Gold 24 dB	Impedance Ground Receptacle Body	75Ω AWG8 Zinc alloy	Bandwidth Contact Plating Return Loss	DC~1 GHz Silver 18 dB	Impedance Ground Rece Body	•	75Ω AWG8 zinc alloy
Ordering Information		Ordering	Informat	ion		Ordering	Informat	ion				

2 GHz Grounding Components

Embedded TruSpec F-81HRL2G splices for digital-

ready broadband performance to 2.2 GHz

Excellent return loss performance to 2.2 GHz

Precision machined threads ensure maximum

center conductor surface contact

shield surface-contact

٠

Rounded seizing mechanism provides increased

• Flat-ended ports on both ends maximize connector-to-

Zinc-alloy housing ensures long corrosion-free service

GRB-1HRL/2G

### Ord

GRB-1HRL	Single path 3 GHz grou
GRB-2HRL	Dual path 3 GHz groun
GRB-2HRL/3G3	Dual path 3 GHz groun

und block (1 ground) nd block (2 ground) nd block (3 ground)

GRB-2HRL/2G Dual path 2.2 GHz ground block (2 ground) Single path 2.2 GHz ground block (1 ground) GRB-1HRL/2G

**GRB-HRL/2G** Series **GRB** Series

GRB-2HRL/2G

#### GRB-2 GRB-1

Dual path 1 GHz ground block (1 ground) Single path 1 GHz ground block (1 ground)

**1 GHz Grounding Components** 

Cast F-81 splices for broadband performance to 1 GHz

Flat-ended ports on both ends maximize connector-to-

Zinc-alloy housing ensures long corrosion-free service

Precision machined threads ensure maximum

Blade-type center pin receptor for consistent

High return loss performance to 1 GHz

GRB-1

shield surface-contact

performance

connectivity

**MACOM**<sup>®</sup>

GRB-2



### **TSI-2400** Coaxial Voltage Isolator



- Isolates Modem/Receiver/TV/VCR equipment from voltage surges
- Easy in-line insertion on cable drop
- Eliminates ground loops/hum bars
- Fast response protects in fractions of a second
- Reduces cable line electrical noise, increasing modem performance
- Low insertion loss

### **TSS-2400** Coaxial Surge Protector



- Protects Modem/Receiver/TV/VCR equipment from power current surges
- Easy in-line insertion on cable drop
- Low clamping voltage ensures protection from wide frequency range of surges
- ♦ Self-resetting circuit ensures continued protection
- ♦ Low insertion loss

Bandwidth	5~1000 MHz
Isolation Protection	6,000 volts
Response Time	1 ps
Insertion Loss	<1.5 dB
Impedance	$75\Omega$

Bandwidth	5~2400 MHz
<b>Resistive Protection</b>	10000 MΩ
Surge Capacity	5000 amp
Response Time	100 ns
Insertion Loss	<2.0 dB
Impedance	75Ω



## TSHC-500P Series | TSHC-500S Series | TSHC-11FT Series

### **Pin Connectors**



- ♦ Hardline cable to port entry connectors provide solid interface while preserving impedance characteristics
- Wide bandwidth for use in broadband systems
- Center pin "Funnel guide" reduces installation time and connector mating guesswork
- Standard pin length accommodates all amplifier and multitap mating requirements
- Notched center conductor cutting guide assures accurate cable center conductor length
- High return loss for excellent digital signal performance
- Solid construction and integral sleeve provides optimum RF shielding
- High retention center conductor seizure mechanism
- Superior power capability provides a minimum of 20 Amps current capacity on all connectors and adapters
- No-twist center conductor seizing mechanism eliminates radial stress, ensuring consistent application without cable damage
- O-ring sealed for maximum environmental protection, eliminating water migration

Bandwidth	DC~1 GHz	Return Loss	30 dB
Insertion Loss	<0.3 dB	Power Capacity	>20A
Impedance	$75\Omega$	Connector Type	5/8 (KS)

#### **Ordering Information**

TSHC-500P .500 Pin Connector TSHC-750P .750 Pin Connector

### Splice Connectors



- ♦ Hardline cable to cable splice connectors designed to extend like-size cables
- Wide bandwidth for use in broadband systems
- Center pin "Funnel guide" reduces installation time and connector mating guesswork
- Notched center conductor cutting guide assures accurate cable center conductor length
- Solid construction and integral sleeve provides optimum RF shielding
- High retention center conductor seizure mechanism
- Superior power capability provides a minimum of 20 Amps current capacity on all connectors and adapters
- No-twist center conductor seizing mechanism eliminates radial stress, ensuring consistent application without cable damage
- O-ring sealed for maximum environmental protection, eliminating water migration

Bandwidth	DC~1 GHz	Return Loss	30 dB
Insertion Loss	<0.3 dB	Power Capacity	>20A
Impedance	75Ω	Connector Type	5/8 (KS)

### **Ordering Information**

TSHC-500S .500 Splice Connector TSHC-750S .750 Splice Connector

Feed-Through Connectors



- RG11 cable to port entry connectors provide solid interface while preserving impedance characteristics
- Wide bandwidth for use in broadband systems
- Feed-Thru center conductor reduces mating connections for better signal transfer
- Solid construction and integral sleeve provides optimum RF shielding
- Superior power capability provides a minimum of 20 Amps current capacity on all connectors and adapters
- O-ring sealed for maximum environmental protection. eliminating water migration

Bandwidth	DC~1 GHz	Return Loss	30 dB
Insertion Loss	<0.3 dB	Power Capacity	>20A
Impedance	75Ω	Connector Type	5/8 (KS)

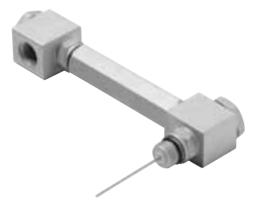
#### **Ordering Information**

TSHC-11FT BG11 Feed-Thru Connector TSHC-11FTD RG11 Feed-Thru Connector (Diecast)



**TSHC-180-3** 

#### **180-Degree Adapter**



- 180 degree adapters are the perfect accessory for use to manage splicing configurations in tight areas
- Wide bandwidth for use in broadband systems
- Standard pin length accommodates all amplifier and multitap mating requirements
- High return loss for excellent digital signal performance
- Superior power capability provides a minimum of 20 Amps current capacity on all connectors and adapters
- O-ring sealed for maximum environmental protection, eliminating water migration

Bandwidth	DC~1 GHz
Insertion Loss	<0.3 dB
Impedance	$75\Omega$
Return Loss	30 dB
Power Capacity	>20A
Connector Type	5/8 (KS)

### **TSHC-90**

90-Degree Adapter



- 90 degree adapters are useful when splicing hardware in pedestals, vaults and lockboxes
- Wide bandwidth for use in broadband systems
- Standard pin length accommodates all amplifier and multitap mating requirements
- High return loss for excellent digital signal performance
- Superior power capability provides a minimum of 20 Amps current capacity on all connectors and adapters
- O-ring sealed for maximum environmental protection, eliminating water migration



### Housing to Housing Adapter



- Housing to housing adapters are ideally suited for applications where two or more pieces of equipment are placed directly next to each other
- Wide bandwidth for use in broadband systems
- Standard pin length accommodates all amplifier and multitap mating requirements
- High return loss for excellent digital signal performance
- Superior power capability provides a minimum of 20 Amps current capacity on all connectors and adapters
- O-ring sealed for maximum environmental protection, eliminating water migration

Bandwidth	DC~1 GHz
Insertion Loss	<0.3 dB
Impedance	75Ω
Return Loss	30 dB
Power Capacity	>20A
Connector Type	5/8 (KS)

Bandwidth	DC~1 GHz
Insertion Loss	<0.3 dB
Impedance	75Ω
Return Loss	30 dB
Power Capacity	>20A
Connector Type	5/8 (KS)









- Splice block adapters are useful when splicing hardware in pedestals, vaults and lockboxes
- Wide bandwidth for use in broadband systems
- Standard pin length accommodates all amplifier and multitap mating requirements
- High return loss for excellent digital signal performance
- Superior power capability provides a minimum of 20 Amps current capacity on all connectors and adapters
- O-ring sealed for maximum environmental protection, eliminating water migration



### Housing to F Adapter



- Housing to F adapters are ideally suited for use when adapting KS entry ports for use with F type connections and cable
- Wide bandwidth for use in broadband systems
- Standard pin length accommodates all amplifier and multitap mating requirements
- High return loss for excellent digital signal performance
- Superior power capability provides a minimum of 20 Amps current capacity on all connectors and adapters
- O-ring sealed for maximum environmental protection, eliminating water migration



TSHC-PT

Port Terminator

- Port terminators provide a 75-ohm match to unused KS entry ports
- Wide bandwidth for use in broadband systems
- Standard pin length accommodates all amplifier and multitap mating requirements
- High return loss for excellent digital signal performance
- Superior power capability provides a minimum of 20 Amps current capacity on all connectors and adapters
- O-ring sealed for maximum environmental protection, eliminating water migration

Bandwidth	DC~1 GHz
Insertion Loss	<0.3 dB
Impedance	75Ω
Return Loss	30 dB
Power Capacity	>20A
Connector Type	5/8 (KS)

Bandwidth	DC~1 GHz
Insertion Loss	<0.3 dB
Impedance	75Ω
Return Loss	30 dB
Power Capacity	>20A
Connector Type	5/8 (KS)

Bandwidth	DC~1 GHz
Insertion Loss	<0.3 dB
Impedance	$75\Omega$
Return Loss	30 dB
Power Capacity	>20A
Connector Type	5/8 (KS)



**F11-001** F Compression Connector



- RG11 to F-type compression connector provides premium cable to adapter interface
- Single-piece design simplifies installation and reduces assembly time
- Environmentally sealed protection prevents water migration
- Internal O-Ring and UV stabilized external ring prevent water migration through the connector collar
- Unique ridge-patterned internal sleeve presses connector securely against cable jacket, providing positive mechanical restraint
- Brass construction with cadmium plating for maximum corrosion resistance
- High return loss and low insertion loss provide unsurpassed performance
- Internal radial compression ensures high RFI shielding performance
- Standard cable preparation allows use with Pico Macom's and most other manufacturers' tools

Plating	2mm-thick Nickel
Impedance	75Ω
Return Loss	-30 dB
Insertion Loss	0.1 dB
RFI Shielding	-96 dB
Compression Tool Suggestion	PFC-011

**F56-001** Series

F Compression Connectors



- RG6 and RG59 to F-type compression connector provide the highest quality and consistency
- Single-piece design simplifies installation and reduces assembly time
- Environmentally sealed protection prevents water migration
- Internal O-Ring and UV stabilized external ring prevent water migration through the connector collar
- Unique ridge-patterned internal sleeve presses connector securely against cable jacket providing positive mechanical restraint
- Brass construction with nickel or cadmium plating for maximum corrosion resistance
- ◆ 70-lbs retention pull-out strength exceeds SCTE cable retention standard IPS-SP-405
- High return loss and low insertion loss provides unsurpassed performance

Plating	2mm-thick Nickel
Impedance	75Ω
Return Loss	-30 dB
Insertion Loss	0.1 dB
RFI Shielding	-96 dB
Compression Tool Suggestions	PFC-002, PFC-001
Prep Tool Suggestions	CS-596, C2-200, CS-202

#### **Ordering Information**

F56Q-001	F connector for quad shield RG6 cable
F56-001	F connector for standard RG6 cable
F59-001	F connector for standard RG59 cable

### **B56 / R56 Series**

### **BNC/RCA** Connectors



- Ideal interface to adapt RG59 and RG6 cable to BNC and RCA connections
- Single-piece design simplifies installation and reduces assembly time
- Sealed cable-to-connector interface protection
- Unique ridge-patterned internal sleeve presses connector securely against cable jacket, providing positive mechanical restraint
- Brass construction with 24k gold plating for maximum corrosion resistance
- High return loss and low insertion loss provide unsurpassed performance
- Internal radial compression ensures high RFI shielding performance
- Spring tension BNC provides solid interface connection and reliable performance

Plating	24k gold
Impedance	50Ω
Return Loss	-30 dB
Insertion Loss	0.2 dB
RFI Shielding	-70 dB
Compression Tool Suggestion	PFC-002
Prep Tool Suggestions	CS-596, C2-200, CS-202

#### **Ordering Information**

B56-001	BNC connector for standard RG6 cable
B59-001	BNC connector for standard RG59 cable
R56-001	RCA connector for standard RG6 cable
R59-001	RCA connector for standard RG59 cable





### **Coaxial Crimp Connectors**



F-11

- Designed to interface RG11 cable to F connections
- One piece body design ensures high RF shielding performance
- Excellent return-loss provides great performance in digital environments
- Industry standard design provides compatibility with Pico Macom Hex crimp tools
- High-grade brass construction and corrosive resistant plating provides years of reliability
- ◆ Precision machined 3/8" 32UNEF threads ensure maximum interface connectivity

Bandwidth	DC~2.5 GHz
Material	Brass
Holding Force	80 lbs
Crimp Tool Required	HX-009

### **Ordering Information**

F-11P/10.8	Tin plated RG11 Plenum connector w/ detached pin
F-11PAP	Tin plated RG11 Plenum connector w/ attached pin
F-11P	Tin plated RG11 Plenum connector w/ detached pin
F11-457T	Tin plated RG11 connector w/ attached pin
F-11	Tin plated RG11 connector w/ feed-thru pin (detached ring)

### **F56** Series

### **Coaxial Crimp Connectors**



- High-grade brass construction and corrosive resistant plating provides years of reliability
- ◆ F-GSOL Series feature double seal protection to prevent water migration

Bandwidth	DC~3 GHz
Material	Brass
Holding Force	40 lbs
Crimp Tool Required	HX-009, HX-596, HX-5960
Prep Tool Suggestions	CS-596, C2-200, CS-202

-596Q

### **Ordering Information**

F56-324GSOL	Cadmium plated weather sealed RG6 connector
F56-357G	Cadmium plated RG6 Quad shield connector
F56-342G	Cadmium plated RG6 Quad shield connector
F56-324G	Cadmium plated RG6 connector
F56-342T	Tin plated RG6 Quad shield connector
F56-324T	Tin plated RG6 connector
F56-324D	Nickel plated RG6 connector
F-56P	Tin plated RG6 Plenum connector

# F59 Series **Coaxial Crimp Connectors**



F59-324GSOL F59-290G F59-290T F59-290D



- Designed to interface RG59 cable to F connections
- One-piece body design ensures high RF shielding performance
- Excellent return-loss provides great performance in digital environments
- Industry standard design provides compatibility with Pico Macom Hex crimp tools
- High-grade brass construction and corrosive resistant plating provides years of reliability
- F-GSOL Series feature double seal protection to prevent water migration

Bandwidth	DC~3 GHz
Material	Brass
Holding Force	40 lbs
Crimp Tool Required	HX-596, HX-596Q
Prep Tool Suggestions	CS-596, C2-200, CS-202

### **Ordering Information**

F59-290GSOL	Cadmium plated weather sealed RG59 connector
F59-290G	Cadmium plated RG59 connector
F59-290T	Tin plated RG59 connector
F59-290D	Nickel plated RG59 connector
F-59P	Tin plated RG59 Plenum connector



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**MP-1** Motorola-Style Connector



- Used to adapt RG58 cable to Motorola male connection
- Solder center conductor and shield contact for optimum electrical bond
- Separate crimp ring provides extra bonding and support
- Nickel plating ensures excellent signal transfer

### **BNC Series**

**RG59 to BNC Adapters** 





- Used to adapt RG59 cable to BNC male connection
- Two styles to choose from Twist-on (BNC-T59) for on the fly and Crimp-on (BNC-C59) for permanent attachment
- Attached center pin connection simplifies installation
- Separate crimp ring provides extra bonding and support
- Nickel plating ensures excellent signal transfer

### **RCA-59**

RG59 to RCA Adapter



- Used to adapt RG59 cable to RCA male connection
- Solder center conductor contact for optimum electrical bond
- Separate crimp ring provides extra bonding and support
- Nickel plating ensures excellent signal transfer

Bandwidth	DC~1 GHz
Material	Brass
Plating	Nickel
Crimp Tool Required	HX-596

Bandwidth	
Material	
Plating	
Crimp Tool Required	

DC~1 GHz Brass Nickel HX-596

Bandwidth	DC~1 GHz
Material	Brass
Plating	Nickel
Crimp Tool Required	HX-596

#### **Ordering Information**

BNC-T59	Twist-on RG59 to BNC adapter
BNC-C59	Crimp-on RG59 to BNC adapter



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D-15



### **F-81 Barrel Splice Connectors**





F81-HRL F81-HRL/2G





- Three versions available to meet every bandwidth requirement
- ♦ Ultra High Return Loss F-81HRL for superb performance to 3 GHz
- ♦ High Return Loss F-81HRL2G for performance to 2.2 GHz
- Standard F-81 for performance to 1 GHz
- Round seizing pins (HRL versions) maximize center conductor surface contact
- Precision machined threads with flat-ended ports maximizes contact
- Low insertion loss provides unsurpassed performance
- High 8-Ampere DC continuous current handling capacity

	F-81 HRL	F81-HRL/2G	F-81
Bandwidth	DC~3 GHz	DC~2.2 GHz	DC~1 GHz
Insertion Loss	0.2 dB	0.2 dB	0.5 dB
Return Loss	30 dB	30 dB	20 dB
Impedance: $75\Omega$			
Material: Brass			
Plating: Nickel			

### **Ordering Information**

F-81HRL	3 GHz Female splice			
F-81HRL/2G	2.2 GHz Female splice			
F-81NW	1 GHz Female splice with nut/washer			
F-81	1 GHz Female splice			
NUTS	1/2-inch nut only			
NUTS-7/16	7/16-inch nut only			
WASHER	Washer only			

## **F-90 Series**

**Right Angle Adapters** 



F90-HRL

Bandwidth

Insertion Loss

Impedance:  $75\Omega$ Material: Brass Plating: Nickel

Return Loss



F-90



- Two versions available to meet every bandwidth requirement
- ◆ Ultra High Return Loss F90-HRL for superb performance to 3 GHz
- ◆ Standard F-90 for performance to 1 GHz
- Round seizing pin (HRL version) maximize center conductor surface contact
- Precision machined threads provide smooth thread mating
- Low insertion loss provides unsurpassed performance

 High 8-Ampere DC continuous current handling capacity

F90-HRL

0.2 dB

30 dB

DC~2.2 GHz

F-90	Bandwidth
DC~1 GHz	Insertion Los
0.5 dB	Return Loss
20 dB	Impedance
	Material
	Plating

### **Ordering Information**

F90-HRL	3 GHz High Return Loss 90 Degree adapter
F-90	1 GHz 90 Degree adapter
NUTS	1/2-inch nut only
NUTS-7/16	7/16-inch nut only
WASHER	Washer only

### F-71 Male to Male Adapter



- Performance to 1 GHz for use in broadband distribution systems
- High return loss performance to 1 GHz
- Precision machined threads provide smooth thread mating
- Low insertion loss provides unsurpassed performance
- Nickel plated brass construction for excellent signal transfer
- High 8-Ampere DC continuous current handling capacity

DC~1 GHz
0.5 dB
20 dB
75Ω
Brass
Nickel



## FF-R

### F-Female to RCA-Male Adapter



- Useful in converting F-Type jumpers for RCA type connections
- Return loss performance ideal for video and audio frequencies
- High retention center conductor seizing mechanism
- Precision machined threads provide smooth connector thread mating
- Low insertion loss provides excellent performance

### **RCA-F**

**RCA-Female to F-Male Adapter** 



- Useful in converting Female F equipment jacks to an RCA Female connection
- Return loss performance ideal for video and audio frequencies
- High retention center conductor seizing mechanism
- Precision machined threads provide smooth connector thread mating
- Low insertion loss provides excellent performance

### BFA

### **BNC Male to F-Female Adapter**



- Useful in converting F-Type jumpers for BNC type connections
- Return loss performance ideal for video and audio frequencies
- High retention center conductor seizing mechanism
- Precision machined threads provide smooth connector ٠ thread mating
- Low insertion loss provides excellent performance

Bandwidth Insertion Loss Return Loss Impedance Material Plating

DC~50 MHz 0.5 dB >-10 dB 50Ω Brass Nickel

Bandwidth Insertion Loss Return Loss Impedance Material Plating

DC~50 MHz
0.5 dB
>-10 dB
50Ω
Brass
Nickel

Bandwidth

Material

Plating

DC~50 MHz Insertion Loss 0.5 dB Return Loss >-15 dB Impedance 50Ω Brass Nickel



D-17



### Push-on Male to Female F Adapter



- Useful as a quick release connection for test equipment
- High return loss performance ideal for digital and analog signals
- High retention center conductor seizing mechanism
- Precision machined threads provide smooth connector thread mating
- Low insertion loss provides excellent performance

### **F-59T Series**

### **F-port Terminators**



- Used to terminate unused ports reducing reflections
- Versions available to meet every requirement
- Precision high return loss version (F-59T-HRL) ensures the most consistent impedance match possible
- Prevents signal ingress and egress
- ◆ Reduces water migration into open port



- Used to block unauthorized connection to multitaps and splitters
- Used to terminate (SGLR-01) unused multitap ports reducing reflections
- Prevents signal ingress and egress

**SGL Series** 

- Reduces water migration into open port
- Port locks and tool compatible with Gilbert/Corningstyle CATV security devices

Bandwidth	DC~1 GHz
Insertion Loss	0.5 dB
Return Loss	20 dB
Impedance	75Ω
Material	Brass
Plating	Nickel

Bandwidth	
Insertion Loss	
Return Loss (F59T-HRL)	
Return Loss (F-59T)	
Impedance	
Material	
Plating	

#### **Ordering Information**

F59T-HRLHigh Return Loss terminatorF-59TF-port terminator

Bandwidth	DC~1 GHz
Return Loss (F-59T)	15 dB
Impedance	$75\Omega$
Material	Brass
Plating	Nickel

#### **Ordering Information**

 SGL-01
 F-port connector lock

 SGLR-01
 F-port connector lock w/ Resistor





DC~1 GHz 0.5 dB 30 dB 15 dB 75Ω Brass Nickel



PICO MACOM'



### **A-8A**

**Brass Bonding Clamp** 

## A-6 / A-10

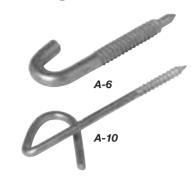
Messenger Hooks



- Provides service drop attachment point at CATV & Telco strand
- High-Strength Machined Aluminum Jaw Clamp
- ♦ Anti-Slip Twist Bolt Design
- Ideal for Mid-Span Applications
- Used with all common strand sizes
- ◆ 3/8" Corrosion Resistive Galvanized Steel Bolt



- Electrically bonds CATV and Telco Strand to Ground Wire
- Tin Plated Die-Cast Brass Clamp
- Used with all common strand sizes
- ◆ 5/16" x 1" Copper Plated Brass Bolt



- Suitable for tying off support messenger of RG6 and RG11 messengered cable
- ♦ 3-3/4" P and J type Drive Hooks
- ◆ A-6 Provides CATV service drop attachment point on utility pole
  - ◆ A-10 Provides convenient point to attach CATV messenger cable at house structure
  - Threaded Conical Shank suitable for installation in Wood or Masonry
  - Corrosion Resistive Galvanized High-Strength Steel (A-6)
  - Corrosion Resistive Nickel-Bonded Steel (A-10)

#### **Ordering Information**

	•
A-6	J-Drive Hook
A-10	P-Drive Hook



A-22



- Provides distance between CATV line equipment and transmission cables
- ◆ Ideally suited for use with Pico Macom's TSHP line of Hardline Passive equipment
- ◆ 12<sup>"</sup> Aluminum Tap Stand-Off Bracket
- Width 1" and Thickness 0.12" provides solid mechanical support
- ◆ Corrosion Resistive Galvanized Steel Bolt





### **CC** Series

**Cable Clips** 



- Nail-in Cable Fasteners for RG59 and **RG6** Coaxial Cables
- High Impact Plastic Body
- ◆ 1-inch Pre-Installed High Impact Carbon-Steel Nails
- Firm attachment of service drop cable to wood, plaster, mortar, or concrete block
- Available in black or ivory to closely match installation surface

Siding Clips	
	8
CC-951BK	CC-952BK
CC-951CL	CC-952CL
CC-953BK	CC-954BK
CC-953CL	CC-954CL

- Clip-On RG59 or RG6 Coaxial-Cable Fasteners for Vinyl, Aluminum, or Steel Sidina
- UV Resistive Nylon
- Simple clip-on tool-less installation to firmly attach service drop cable to horizontal or vertical siding
- Available in black or natural-clear to closely match installation surface

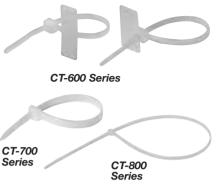
### CC-950 Series | CC-500 Series | CT Series

**Cable Clamps** 



- ♦ Wide loop Cable Clamps
- Flexible cradling of cable prevents deformation
- Clear High impact UV Resistant Virgin 6/6 Nylon UL94V2 Self Extinguishing
- Firm attachment of service drop cable to wood, plaster, mortar, concrete block, or any surface

Self-Locking Tie-Wraps



- Self-Locking Tie-Wraps
- Bundles cabling to provide neat finished installation
- Bent Finger Grip Tip for Effortless Threading
- UV Resistant Clear or Black Virgin Nylon 6/6 UL94V2 Self Extinguishing

### **Ordering Information**

CC-505CL 1/4" Cable Clamp - 3/8" Wide CC-510CL 3/8" Cable Clamp - 1/2" Wide CC-515CL 1/2" Cable Clamp - 1/2" Wide

#### **Ordering Information**

CT-604CL	3.9" Clear 18-lbs Light-Duty Marker Tie
CT-605CL	4.3" Clear 18-lbs Light-Duty Marker Tie
CT-708CL	8" Clear 120-lbs Heavy-Duty Tie
CT-712CL	12" Clear 120-lbs Heavy-Duty Tie
CT-715CL	15" Clear 120-lbs Heavy-Duty Tie
CT-804BK	4" Black 18-lbs Light-Duty Tie
CT-804CL	4" Clear 18-lbs Light-Duty Tie
CT-806BK	6" Black 18-lbs Light-Duty Tie
CT-806CL	6" Clear 18-lbs Light-Duty Tie
CT-808BK	8" Black 18-lbs Light-Duty Tie
CT-808CL	8" Clear 18-lbs Light-Duty Tie
CT-812BK	12" Black 40-lbs Medium-Duty Tie
CT-812CL	12" Clear 40-lbs Medium-Duty Tie
CT-815BK	15" Black 40-lbs Medium-Duty Tie
CT-815CL	15" Clear 40-lbs Medium-Duty Tie

### **Ordering Information**

CC-6B	6mm Black RG59 Cable Clip
CC-6I	6mm Ivory RG59 Cable Clip
CC-7B	7mm Black RG6 Cable Clip
CC-7I	7mm Ivory RG6 Cable Clip
CC-7W	7mm White RG6 Cable Clip
CC-155B	14.3mm Black RG6-Dual Cable Clip
CC-155I	14.3mm Ivory RG6-Dual Cable Clip
CC-155W	14.3mm White RG6-Dual Cable Clip

### **Ordering Information**

CC-951BK	Horizontal Black Aluminum/Steel Siding Clip
CC-951CL	Horizontal Natural-Clear Aluminum/Steel Siding Clip
CC-952BK	Horizontal Black Vinyl Siding Clip
CC-952CL	Horizontal Natural-Clear Vinyl Siding Clip
CC-953BK	Vertical Black Aluminum/Steel Siding Clip
CC-953CL	Vertical Natural-Clear Aluminum/Steel Siding Clip
CC-954BK	Vertical Black Vinyl Siding Clip
CC-954CL	Vertical Natural-Clear Vinyl Siding Clip





**Cover and Hole Wall Plates** 



BPB

#### **BPB1**

Three configurations to choose from

BPB3

- Blank Cover Wall Plate for future expansion
- ◆ Single Port Wall Plate with 3/8" -1/2" Hex Insert
- ◆ Dual Port Wall Plate with two 3/8" -1/2" Hex Inserts
- Single Gang Flush Mounting
- Color-Matched Mounting Screws
- ♦ High Impact ABS Plastic

### **Ordering Information**

BPB-AL	Almond Blank Cover Wall-Plate
BPB-IV	Ivory Blank Cover Wall-Plate
BPB-W	White Blank Cover Wall-Plate
BP1-AL	Almond Single-Hole Wall-Plate
BP1-IV	Ivory Single-Hole Wall-Plate
BP1-W	White Single-Hole Wall-Plate
BP3-AL	Almond Dual-Hole Wall-Plate
BP3-IV	Ivory Dual-Hole Wall-Plate
BP3-W	White Dual-Hole Wall-Plate

# WP Series F81 Wall Plates a

WP-81



#### WP-81D

- Dual and Single port configurations for optimum flexibility
- Two versions barrel options available to meet any bandwidth requirement
- ♦ High Return Loss F-81HRL2G for performance to 2.2 GHz
- ♦ Standard F-81 for performance to 1 GHz
- Low insertion loss provides unsurpassed performance
- ◆ Single Gang Flush Mounting
- Color-Matched Mounting Screws
- ♦ High Impact ABS Plastic

**WP-81DW** 

#### **Ordering Information**

-	
WP-81HRLIV	Ivory Single F81HRL 2.2 GHz Wall-Plate
WP-81HRLW	White Single F81HRL 2.2 GHz Wall-Plate
WP-81HRLSS	Stainless Steel Single F81HRL 2.2 GHz Wall-Plate
WP-81IV	lvory Single F81 1 GHz Wall-Plate
WP-81W	White Single F81 1 GHz Wall-Plate
WP-81SS	Stainless Steel Single F81 1 GHz Wall-Plate
WP-81HRLDIV	lvory Dual F81HRL 2 GHz Wall-Plate
WP-81HRLDW	White Dual F81HRL 2 GHz Wall-Plate
WP-81DIV	Ivory Dual F81 Wall-Plate

White Dual F81 Wall-Plate

### **FTB** Series

Feed-Through Bushings



FTB-56DK

- Feed-Through Cable Bushings for RG59 and RG6 suitable for Single and **Dual Cables**
- Beveled-Fin Design ensures Firm Fit

FTB-56K

- Seals wall openings to prevent water migration
- Secures and protects cable through wall entry
- Provides neat cable installations sealing roughly drilled holes
- Durable UV-Stabilized Impact-Resistant High-Density Polyethylene Construction

### **Ordering Information**

FTB-59-B	RG59-Single Black Cable Bushing
FTB-56-B	RG6-Single Black Cable Bushing
FTB-56-C	RG6-Single Clear-Natural Cable Bushing
FTB-56-I	RG6-Single Ivory Cable Bushing
FTB-56D-B	RG6-Dual Black Cable Bushing
FTB-56D-C	RG6-Dual Clear-Natural Cable Bushing
FTB-56D-I	RG6-Dual Ivory Cable Bushing
FTB-56K-B	RG6-Single Black Cable Bushing with Knockout Hole
FTB-56DK-B	RG6-Dual Black Cable Bushing with Knockout Hole

### **WB-UV** Series

Weather Boots



- Weatherproofing RG59 and RG6 Rubber Boots
- Provides Protection to Service Drop Connections
- Tapered Inside Diameter Trimmed to fit RG6 or larger diameter cables
- Extended Shaft Available for **Compression Fittings**
- UV Resistant Black Rubber

### **Ordering Information**

WB-1UV	Ribbed Weather Boot
WB-2UV	Long Weather Boot
WB-3UV	Short Weather Boot







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