

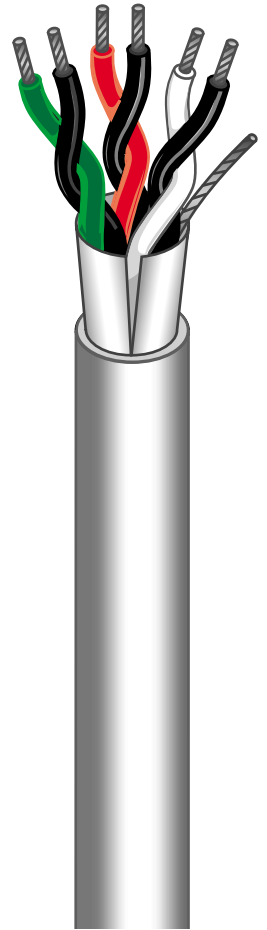
Professional A/V Cables



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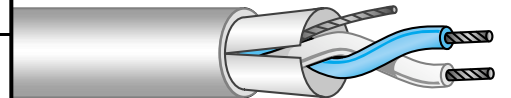
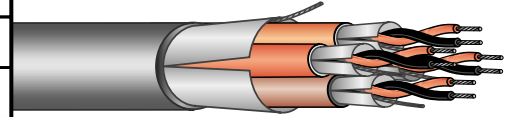
AUDIO CABLES

MINIATURE AUDIO CABLES NON-PLENUM	
(X)454	MINIATURE AUDIO CABLE - 1 PAIR 22 AWG PP INSULATION SHIELDED 12 DIFFERENT COLORED JACKETS
2452	DUAL MINIATURE AUDIO CABLE - 2 PAIR 22AWG PP INSULATION SHIELDED ONE CHANNEL IMPRINT FOR IDENTIFICATION
TWISTED PAIR SHIELDED NON-PLENUM (BROADCAST QUALITY)	
77291	1 PAIR 22 AWG SHIELDED LOW CAPACITANCE
77292	1 PAIR 20 AWG SHIELDED LOW CAPACITANCE
77293	1 PAIR 18 AWG SHIELDED LOW CAPACITANCE
77294	1 PAIR 16 AWG SHIELDED LOW CAPACITANCE
77295	1 PAIR 14 AWG SHIELDED LOW CAPACITANCE
77296	1 PAIR 12 AWG SHIELDED LOW CAPACITANCE
D430	2 PAIR 22 AWG SHIELDED LOW CAPACITANCE
D431	3 PAIR 22 AWG SHIELDED LOW CAPACITANCE
D439	4 PAIR 22 AWG SHIELDED LOW CAPACITANCE
D432	6 PAIR 22 AWG SHIELDED LOW CAPACITANCE
TWISTED PAIR SHIELDED PLENUM (BROADCAST QUALITY)	
D25291	1 PAIR 22 AWG SHIELDED LOW CAPACITANCE
D25292	1 PAIR 20 AWG SHIELDED LOW CAPACITANCE
D25293	1 PAIR 18 AWG SHIELDED LOW CAPACITANCE
D25294	1 PAIR 16 AWG SHIELDED LOW CAPACITANCE
D25430	2 PAIR 22 AWG SHIELDED LOW CAPACITANCE
D25431	3 PAIR 22 AWG SHIELDED LOW CAPACITANCE
D25439	4 PAIR 22 AWG SHIELDED LOW CAPACITANCE
D25432	6 PAIR 22 AWG SHIELDED LOW CAPACITANCE



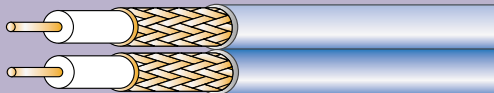
AUDIO SNAKE CABLES (ANALOG & DIGITAL)

ANALOG AUDIO SNAKE CABLES - NON-PLENUM	
WP4546	6 PAIR 22 AWG IND. SHIELDED AND JACKETED LOW CAPACITANCE
WP4548	8 PAIR 22 AWG IND. SHIELDED AND JACKETED LOW CAPACITANCE
WP45412	12 PAIR 22 AWG IND. SHIELDED AND JACKETED LOW CAPACITANCE
WP45416	16 PAIR 22 AWG IND. SHIELDED AND JACKETED LOW CAPACITANCE
WP45424	24 PAIR 22 AWG IND. SHIELDED AND JACKETED LOW CAPACITANCE
WP45432	32 PAIR 22 AWG IND. SHIELDED AND JACKETED LOW CAPACITANCE
DIGITAL AUDIO CABLES (AES/EBU) 110Ω	
DA2401	1 PAIR 24 AWG IND. SHIELDED NON-PLENUM LOW CAPACITANCE
DA2402	2 PAIR 24 AWG IND. SHIELDED NON-PLENUM LOW CAPACITANCE
DA2406	6 PAIR 24 AWG IND. SHIELDED NON-PLENUM LOW CAPACITANCE
DA2404S	4 PAIR 24 AWG IND. SHIELDED AND JACKETED NON-PLENUM LOW CAPACITANCE
DA2408S	8 PAIR 24 AWG IND. SHIELDED AND JACKETED NON-PLENUM LOW CAPACITANCE
DA24012S	12 PAIR 24 AWG IND. SHIELDED AND JACKETED NON-PLENUM LOW CAPACITANCE
DA252401	1 PAIR 24 AWG IND. SHIELDED PLENUM LOW CAPACITANCE
DA252402	2 PAIR 24 AWG IND. SHIELDED PLENUM LOW CAPACITANCE
DA252406	6 PAIR 24 AWG IND. SHIELDED PLENUM LOW CAPACITANCE



PROFESSIONAL/ DIGITAL VIDEO CABLES

75Ω SDI COAXIAL CABLES NON-PLENUM	
HD825	MINIMAX 25 AWG SDI NON-PLENUM COAX
819	RG59/U 20 AWG SDI NON-PLENUM COAX
6350	RG6/U 18 AWG SDI NON-PLENUM COAX
7210	RG7/U 16 AWG SDI NON-PLENUM COAX
1135	RG11/U 14 AWG SDI NON-PLENUM COAX
75Ω SDI COAXIAL CABLES PLENUM	
HD25825	MINIMAX 25 AWG SDI PLENUM COAX
25819	RG59/U 20 AWG SDI PLENUM COAX
256350	RG6/U 18 AWG SDI PLENUM COAX
257210	RG7/U 16 AWG SDI PLENUM COAX
SVHS (S-VIDEO) CABLES	
2825	SVHS BULK CABLE SIAMESE MINIATURE 25AWG.COAX NON-PLENUM
252825	SVHS BULK CABLE SIAMESE MINIATURE 25AWG.COAX PLENUM
PRECISION VIDEO COAXIAL CABLE	
P806	PRECISION RG59/U 20 AWG. SOLID DIELECTRIC NON-PLENUM



SDI TRANSMISSION DISTANCES

SERIAL DIGITAL (SDI) TRANSMISSION DISTANCES						
DATA RATE	143Mbps	177Mbps	270Mbps	360Mbps	540Mbps	1.485Mbps
SPECS	SMPTE259M	ITU-RBT.601	SMPTE259M	SMPTE259M	SMPTE344M	SMPTE292M
APPLICATION	COMPOSITE	COMPOSITE	COMPONENT	COMPONENT	COMPRESSED	HDTV
WPW/CDT NO.	NTSC	PAL	VIDEO	WIDESCREEN	HDTV	
HD825	769	705	578	510	415	158
819	1399	1292	1067	915	712	290
6350	1840	1746	1399	1205	947	380
7210	2045	1875	1543	1364	1107	450
1135	2432	2250	1862	1646	1337	513

Notes:

Lengths are calculated in feet.

The Serial Digital interconnect standards are designed to operate where the signal loss at 1/2 the clock frequency does not exceed the approximate loss values listed below. The maximum length values shown are based on typical attenuation values for the cables listed and the following criteria:

- Maximum length= 30 dB loss at 1/2 the clock frequency
 - SMPTE259M and ITU-R BT.601
- Maximum length= 20 dB loss at 1/2 the clock frequency
 - SMPTE292M

The bit error rate (BER) can vary dramatically as the calculated distances are approached. BER is dependent on receiver design and the losses of the actual coax used. West Penn Wire/ CDT recommended distance is 90% of the calculated maximum distance, which allows a safety margin for typical lot-to-lot cable attenuation variation, patch panel equipment loss, connectors loss and ensures operation below the "error cliff" region. Contact equipment manufactures for recommended transmission distances, and cable selection.

Distances can be approximately doubled, depending on the sensitivity of the receiving device.

RGBHV CABLES

RGBHV COMPOSITE CABLES				
WPW PART NO.	CONDUCTORS	AWG	RATING	DESIGN
WP258265	5	26	CMP	5 Miniature Coax Flexible Plenum
WP258254	4	25	CMP	4 - SDI Minimax Coax Plenum
WP258255	5	25	CMP	5 - SDI Minimax Coax Plenum
WP8254	4	25	CM	4 - SDI Minimax Coax Non-Plenum
WP8255	5	25	CM	5 - SDI Minimax Coax Non-Plenum
WP82561	6 + 1 Pair	25 + 22	CM	6 - SDI Minimax Coax + 1 pair 22
WP82564	6 + 4 pair	25 + 22	CM	6 - SDI Minimax Coax + 4 pair 22
WP8195	5	20	CM	5 - SDI RG59/U Coax
WP258194	4	20	CMP	4 - SDI RG59/U Coax Plenum
WP258195	5	20	CMP	5 - SDI RG59/U Coax Plenum
WP6354	4	18	CM	4 - SDI RG6/U Coax Non-Plenum
WP6355	5	18	CM	5 - SDI RG6/U Coax Non-Plenum



MAXIMUM RECOMMENDED TRANSMISSION DISTANCES

RGBHV VIDEO TRANSMISSION DISTANCES															
RESOLUTION	VGA 640X480			SVGA800X600			XGA 1024X768			SXGA 1280X1024			UXGA 1600X1200		
IMAGE REFRESH RATE	60HZ	75HZ	85HZ	60HZ	75HZ	85HZ	60HZ	75HZ	85HZ	60HZ	75HZ	85HZ	60HZ	75HZ	85HZ
IMAGE REFRESH RATE	31.5KHZ	39KHZ	45KHZ	38KHZ	50KHZ	54KHZ	48KHZ	50KHZ	68KHZ	64KHZ	80KHZ	91KHZ	75KHZ	94KHZ	107KHZ
WPW/CDT CABLE TYPES	RECOMMENDED DISTANCES BASED ON THE 3RD HARMONIC AT -3dB (Distances are in feet)														
MINIATURE HIGH RESOLUTION 26 AWG	90	76	63	61	48	40	38	30	25	23	16	14	14	11	10
MINIMAX HIGH RESOLUTION 25 AWG	135	115	95	91	70	59	54	42	36	31	22	19	19	15	13
RG59/U HIGH RESOLUTION 20 AWG	461	360	300	290	230	195	180	144	120	109	80	67	67	52	46
RG6/U HIGH RESOLUTION 18 AWG	770	600	500	484	384	326	300	240	200	182	133	113	113	86	76

Distances are based on the resolution and refresh rates. Distances are in feet.



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