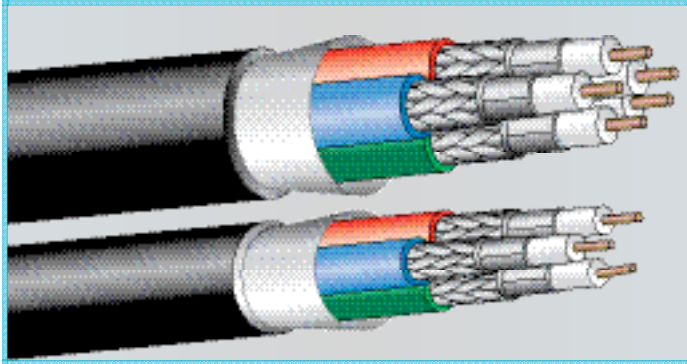


Broadcast Coaxial Cables



The **West Penn Wire** brand is strongly recognized when anyone mentions pro video or pro audio cables. A market this adamant upon cable performance is exactly why **West Penn Wire** is and will continue to be a leader in the broadcast market.

When you think of the characteristics of a high quality broadcast cable, you think of signal integrity, dependability and performance. A broadcast product needs to be of top quality, which is why we take it upon ourselves to make such high quality products for this market. From Pro Video to Pro Audio to RGB/Sync cables, serial digital cables, and accessories **West Penn Wire** covers it all.

For more detailed information on our Broadcast Cables, contact our Customer Service Department at **1-800-245-4964**, or e-mail us at **sales@westpenn-wpw.com**. Information can also be found on our website- **www.westpenn-wpw.com**

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Over 95% of West Penn Wire cables are RoHS Compliant. For a detailed specification on individual products, contact our engineering department.

Broadcast Coaxial Cables



Broadcast Video Cable

Pro-Video/ Serial Digital SDI

Applications:

- Digital Video
- CCTV
- CATV

Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
HD825	CMR	25 AWG (Solid) BC 30Ω/M'	Gas Injected PE† .085	Bifoil 100% Tinned Copper Braid 95%	PVC	.146	16.2 pf/ft	82%	75Ω	Colors See Below
						Connectors 75Ω 3 Pc. BNC - CN-BM74-18 75Ω Compression BNC - CN-CSBNC-25				
HD25825	CMP	25 AWG (Solid) BC 30Ω/M'	Foam FEP .078	Bifoil 100% Tinned Copper Braid 95%	Flex Plenum	.146	16.2 pf/ft	82%	75Ω	Colors See Below
						Connectors 75Ω 3 Pc. BNC - CN-BM74-18 75Ω Compression BNC - CN-CSBNC-25				
819	CMR	20 AWG (Solid) BC 10Ω/M'	Gas Injected PE† .142	Bifoil 100% Tinned Copper Braid 95%	PVC	.232	16.2 pf/ft	82%	75Ω	Colors See Below
						Connectors 75Ω 3 Pc. BNC - CN-BM73-2 75Ω Compression BNC - CN-CSBNC-59				
25819	CMP	20 AWG (Solid) BC 10Ω/M'	Foam FEP .138	Bifoil 100% Tinned Copper Braid 95%	Flex Plenum	.207	16.2 pf/ft	84%	75Ω	Colors See Below
						Connectors 75Ω 3 Pc. BNC - CN-BM73-30 75Ω Compression BNC - CN-CSBNC-59				
6350	CMR	18 AWG (Solid) BC 6.4Ω/M'	Gas Injected PE† .180	Bifoil 100% Tinned Copper Braid 95%	PVC	.275	16.2 pf/ft	82%	75Ω	Colors See Below
						Connectors 75Ω 3 Pc. BNC - CN-BM73-5 75Ω Compression BNC - CN-CSBNC-6				
256350	CMP	18 AWG (Solid) BC 6.4Ω/M'	Foam FEP .170	Bifoil 100% Tinned Copper Braid 95%	Flex Plenum	.236	16.2 pf/ft	84%	75Ω	Colors See Below
						Connectors 75Ω 3 Pc. BNC - CN-BM73-4 75Ω Compression BNC - CN-CSBNC-6				
1135	CMR	14 AWG (Solid) BC 2.5Ω/M'	Gas Injected PE† .280	Bifoil 100% Tinned Copper Braid 95%	PVC	.405	16.0 pf/ft	85%	75Ω	Colors See Below
						Connectors 3 Pc. BNC - CN-BM53-26				
P806	--	20 AWG (Solid) BC 10Ω/M'	Solid PE .180	2- Tinned Copper Braid 96% each	PE	.305	21.0 pf/ft	66%	75Ω	Black
						Connectors 75Ω 3 Pc. BNC - CN-BM73-3				

SDI JACKET COLORS

Note: A minimum order quantity may apply on select jacket colors.

• Black • Red • Green • Blue • White • Yellow
• Violet • Brown • Orange

Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

†- Gas Injected Polyethylene

*-Bifoil is an aluminum polyester aluminum tape with 100% coverage 100% Sweep Tested, 0.3MHz to 3GHz

Broadcast Coaxial Cables

Broadcast Video Cable Electrical Specifications



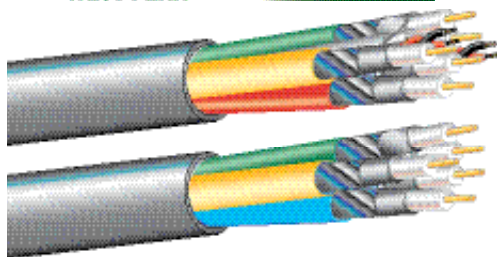
Catalog No.	Return Loss 100kHz- 1GHz 1GHz- 3GHz	Attenuation (db/100ft)												
		1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	540 MHz	720 MHz	1 GHz	2.25 GHz	3 GHz	4.5 GHz
HD825	>23dB >21dB	.48	.98	1.73	3.51	4.69	6.51	7.72	9.3	10.88	13.34	18.92	22.16	--
HD25825	>23dB >21dB	.48	.99	1.75	3.54	4.73	6.57	7.79	9.38	10.98	13.46	19.28	22.80	--
819	>23dB >21dB	.28	.44	.66	1.93	2.62	3.79	4.3	5.31	6.23	7.49	11.19	13.23	16.40
25819	>23dB >21dB	.28	.48	1.03	2.20	2.83	4.55	5.24	6.12	7.29	9.40	17.48	21.60	--
6350	>23dB >21dB	.23	.36	.5	1.47	1.93	2.85	3.22	3.93	4.65	5.52	8.75	10.45	13.30
256350	>23dB >21dB	.24	.45	.75	1.77	2.45	3.30	4.0	5.10	5.90	7.30	11.59	13.71	--
1135	>23dB >21dB	.15	.23	.34	1.11	1.45	2.02	2.40	2.93	3.46	4.08	6.01	7.24	--
P806	>23dB	.25	.52	.8	2.2	3.0	4.3	5.2	6.3	7.4	9.2	--	--	--

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 P.N	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
1135	2432	2250	1862	1646	1337	513

Broadcast Coaxial Cables

WEST PENN WIRE



Broadcast Video Cable RGB 25 Awg. Spiral Shielded Cables

Applications:

- Standard Definition Serial Digital Video
- Digital Audio(AES3id or SPDIF)
- High Resolution RGB Component Analog Video
- Studio Interconnect, Permanent Installation
- Ideal for Broadcast interconnection

Standard spool size 1000ft. **NEW**

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type Inches	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Overall Jacket Color
5CRGB	CM	5 Conductor 25 AWG (Solid) BC 32.5Ω/M'	Gas Injected PE† .073	Bifoil* 100% + TC Spiral Shield 95%	Overall PVC Ind. Coax PVC .105	.330	16.2 pf/ft	82%	75Ω	Black
5 Coax RGB		Connectors 75Ω 3 Pc. BNC - CN-BM74-19 75Ω Compression BNC - CN-CSBNC-26								
6CRGB2P	CM	6 Cond. 25 AWG (Solid) BC 32.5Ω/M'	Gas Injected PE† .073	Bifoil* 100% + TC Spiral Shield 95%	Overall PVC Ind. Coax PVC .105	.410	16.2 pf/ft	82%	75Ω	Black
6 Coax RGB 2 Pair Audio		Twisted Pair Construction 2 Pair 22 Awg. (7x30) Bare Copper, Shielded, PVC Jackets (Black, Red) Connectors 75Ω 3 Pc. BNC - CN-BM74-19 75Ω Compression BNC - CN-CSBNC-26								
6CRGB4P	CM	6 Cond. 25 AWG (Solid) BC 32.5Ω/M'	Gas Injected PE† .073	Bifoil* 100% + TC Spiral Shield 95%	Overall PVC Ind. Coax PVC .105	.450	16.2 pf/ft	82%	75Ω	Black
6 Coax RGB (1) - 4 Pair Cat 5E		Category 5E Construction One 4 Pair 24 Awg. Solid Bare Copper, Unshielded, PVC Jacket- Gray Connectors 75Ω 3 Pc. BNC - CN-BM74-19 75Ω Compression BNC - CN-CSBNC-26								

Individual Jacket Colors

Coax 1 : **Red** Coax 2 : **Green**
Coax 3 : **Blue** Coax 4 : **White**
Coax 5 : **Yellow** Coax 6: **Black**

Electrical Specifications

Catalog No.	Return Loss 100kHz- 1GHz 1GHz- 3GHz	Attenuation (db/100ft)											
		1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	540 MHz	720 MHz	1 GHz	2.25 GHz	3 GHz
25 Awg	>23dB >21dB	.49	1.18	1.7	4.56	6.10	8.46	10.04	12.09	14.14	17.85	24.60	38.81
26 Awg Plenum	>23dB >21dB	.5	1.19	1.71	4.7	6.3	9.1	10.62	13.62	16.2	19.5	35.3	43.7

Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

†- Gas Injected Polyethylene

*-Bifoil is an aluminum polyester aluminum tape with 100% coverage 100% Sweep Tested, 0.3MHz to 3GHz

Broadcast Coaxial Cables

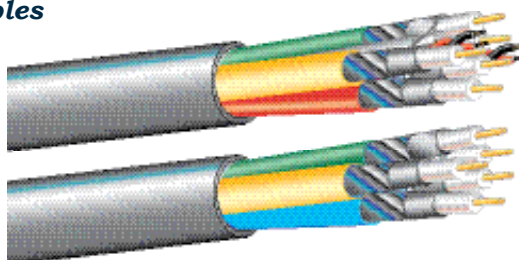
Broadcast Video Cable

RGB 25 & 26 Awg. Spiral Shielded Plenum Cables

WEST PENN WIRE

Applications:

- Standard Definition Serial Digital Video
- Digital Audio(AES3id or SPDIF)
- High Resolution RGB Component Analog Video
- Studio Interconnect, Permanent Installation
- Ideal for Broadcast interconnection



NEW Standard spool size 1000ft.

25 Awg. Plenum

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type Inches	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Overall Jacket Color
253CRGB	CMP	3 Conductor 25 AWG (Solid) BC 32.5Ω/M'	Foam FEP .073	Bifoil* 100% + TC Spiral Shield 95%	Overall Copolymer Ind. Coax Flex Plenum .105	.260	16.2 pf/ft	82%	75Ω	Black
3 Coax RGB Plenum							Connectors 75Ω 3 Pc. BNC - CN-BM74-19 75Ω Compression BNC - CN-FS1BNC			
255CRGB	CMP	5 Conductor 25 AWG (Solid) BC 32.5Ω/M'	Foam FEP .073	Bifoil* 100% + TC Spiral Shield 95%	Overall Copolymer Ind. Coax Flex Plenum .105	.310	16.2 pf/ft	82%	75Ω	Black
5 Coax RGB Plenum							Connectors 75Ω 3 Pc. BNC - CN-BM74-19 75Ω Compression BNC - CN-FS1BNC			
256CRGB2P	CMP	6 Cond. 25 AWG (Solid) BC 32.5Ω/M'	Foam FEP .073	Bifoil* 100% + TC Spiral Shield 95%	Overall Copolymer Ind. Coax Flex Plenum .105	.395	16.2 pf/ft	82%	75Ω	Black
6 Coax RGB 2 Pair Audio Plenum		Twisted Pair Construction 2 Pair 22 Awg. (7x30) Bare Copper, Shielded, Plenum PVC Jackets (Black, Red)					Connectors 75Ω 3 Pc. BNC - CN-BM74-19 75Ω Compression BNC - CN-FS1BNC			

26 Awg. Plenum

WP258263	CMP	3 Conductor 26 AWG (7x34) TC 41Ω/M'	Foam FEP .073	Bifoil* 100% + TC Spiral Shield 95%	Overall Copolymer Ind. Coax Flex Plenum .108	.260	16.1 pf/ft	82%	75Ω	Black
3 Coax RGB Plenum							Connectors 75Ω 3 Pc. BNC - CN-BM74-19 75Ω Compression BNC - CN-CSBNC-26			
WP258265	CMP	5 Conductor 26 AWG (7x34) TC 41Ω/M'	Foam FEP .073	Bifoil* 100% + TC Spiral Shield 95%	Overall Copolymer Ind. Coax Flex Plenum .108	.310	16.1 pf/ft	82%	75Ω	Black
5 Coax RGB Plenum							Connectors 75Ω 3 Pc. BNC - CN-BM74-19 75Ω Compression BNC - CN-CSBNC-26			

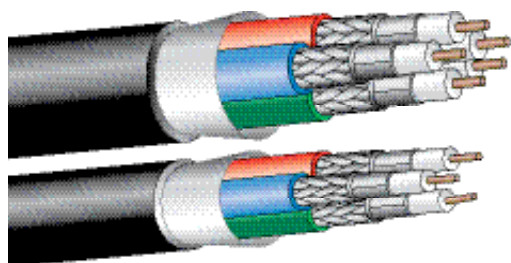
Electrical Specifications See page 82

Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%
Bifoil is an aluminum polyester aluminum tape with 100% coverage
100% Sweep Tested

Broadcast Coaxial Cables

WEST PENN WIRE



Broadcast Video Cable

RGB 25 Awg. MiniMax

Applications:

- Standard Definition Serial Digital Video
- Digital Audio(AES3id or SPDIF)
- High Resolution RGB Component Analog Video
- Studio Interconnect, Permanent Installation
- Ideal for Broadcast interconnection

MiniMax Non-Plenum

Standard pool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type Inches	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Overall Jacket Color
WP8253	CM	3 Conductor 25 AWG (Solid) BC 30Ω/M'	Gas Injected PE† .085	Bifoil* 100% + TC Braid 95%	Overall PVC Ind. Coax PVC .146	.415	16.2 pf/ft	82%	75Ω	Black
3 Coax RGB						Connectors 75Ω 3 Pc. BNC - CN-BM74-18 75Ω Compression BNC - CN-CSBNC-25 RCA Compression - CN-CSRCA-25				
WP8255	CM	5 Conductor 25 AWG (Solid) BC 30Ω/M'	Gas Injected PE† .085	Bifoil* 100% + TC Braid 95%	Overall PVC Ind. Coax PVC .146	.474	16.2 pf/ft	82%	75Ω	Black
5 Coax RGB						Connectors 75Ω 3 Pc. BNC - CN-BM74-18 75Ω Compression BNC - CN-CSBNC-25 RCA Compression - CN-CSRCA-25				

MiniMax Plenum

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type Inches	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Overall Jacket Color
WP258255	CMP	5 Conductor 25 AWG (Solid) BC 30Ω/M'	Foam FEP .078	Bifoil* 100% + TC Braid 95%	Overall Copolymer Ind. Coax Flex Plenum .146	.425	16.2 pf/ft	82%	75Ω	Blue
5 Coax RGB						Connectors 75Ω 3 Pc. BNC - CN-BM74-18 75Ω Compression BNC - CN-CSBNC-25 RCA Compression - CN-CSRCA-25				

Individual Jacket Colors

Coax 1 : **Red** Coax 2 : **Green**
Coax 3 : **Blue** Coax 4 : **White**
Coax 5 : **Yellow**

Electrical Specifications

Catalog No.	Return Loss 100kHz- 1GHz 1GHz- 3GHz	Attenuation (db/100ft)											
		1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	540 MHz	720 MHz	1 GHz	2.25 GHz	3 GHz
25 Awg	>23dB >21dB	.48	.98	1.73	3.51	4.69	6.51	7.72	9.3	10.88	13.34	18.92	22.16

Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

†- Gas Injected Polyethylene

*-Bifoil is an aluminum polyester aluminum tape with 100% coverage

100% Sweep Tested. 0.3MHz to 3GHz

Broadcast Coaxial Cables

Broadcast Video Cable

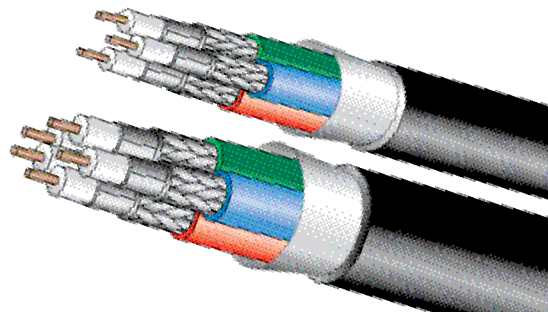
High Resolution & Super High Resolution RGB Cables

WEST PENN WIRE

Applications:

- Standard Definition Serial Digital Video
- Digital Audio(AES3id or SPDIF)
- High Resolution RGB Component Analog Video
- Studio Interconnect, Permanent Installation
- Ideal for Broadcast interconnection

Standard spool size 1000ft.



RG59/U High Resolution

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type Inches	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Overall Jacket Color
WP8195 5 Coax RGB RG59/U Type	CM	5 Conductor 20 (Solid) Bare Copper 10.0 Ω /M'	Gas Injected PE† .142	Bifoil* 100% + TC Braid 95%	Overall PVC Ind. Coax PVC .232	.725	16.2 pf/ft	82%	75 Ω	Black
Connectors										
75 Ω 3 Pc. BNC - CN-BM73-2										
75 Ω Compression BNC - CN-CSBNC-59										
RCA Compression - CN-CSRCA-59										
WP258195 5 Coax RGB Plenum RG59/U Type	CMP	5 Conductor 20 (Solid) Bare Copper 10.0 Ω /M'	Foam FEP .138	Bifoil* 100% + TC Braid 95%	Overall Copolymer Ind. Coax PVC .207	.595	16.1 pf/ft	84%	75 Ω	Blue
Connectors										
75 Ω 3 Pc. BNC - CN-BM73-30										
75 Ω Compression BNC - CN-CSBNC-59										
RCA Compression - CN-CSRCA-59										

RG6/U Super High Resolution

WP6355 5 Coax RGB RG6/U Type	CM	5 Conductor 18 (Solid) Bare Copper 6.4 Ω /M'	Gas Injected PE† .180	Bifoil* 100% + TC Braid 95%	Overall PVC Ind. Coax PVC .275	.830	16.2 pf/ft	82%	75 Ω	Black
Connectors										
75 Ω 3 Pc. BNC - CN-BM73-5										
75 Ω Compression BNC - CN-CSBNC-6										
RCA Compression - CN-CSRCA-6										

Individual Jacket Colors

Coax 1 : **Red** Coax 2 : **Green**
Coax 3 : **Blue** Coax 4 : **White**
Coax 5 : **Yellow**

Electrical Specifications

WP8195 - See 819 Electrical Specifications Pg.81

WP258195 - See 25819 Electrical Specifications Pg.81

WP6355 - See 6350 Electrical Specifications Pg.81

Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

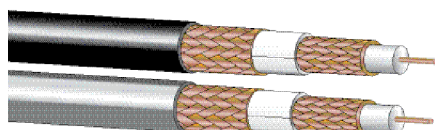
†- Gas Injected Polyethylene

*-Bifoil is an aluminum polyester aluminum tape with 100% coverage

100% Sweep Tested, 0.3MHz to 3GHz

Broadcast Coaxial Cables

WEST PENN WIRE



Broadcast Video Cable Video Triaxial Cable/ RG59/U Type

Applications:

- TV Broadcast
- TV Camera Interconnection
- Instrumentation Applications

Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
3815	CL2	20 AWG (Solid) BC 10.1 Ω /M'	Gas Injected PE† .142	2 B.C. Braid 95% .020 PVC Separator	PVC	.315	16.2 pf/ft	82%	75 Ω	Black
						Connectors King's Triax Female - 7703-9 King's Triax Male - 7705-9				
5992 Outdoor		20 AWG (Solid) BC 10.1 Ω /M'	Gas Injected PE† .142	2 B.C. Braid 95% .020 PVC Separator	PE	.315	16.2 pf/ft	82%	75 Ω	Black
						Connectors King's Triax Female - 7703-9 King's Triax Male - 7705-9				
5994 Flex Design 3/8" Type		20 AWG (Solid) BC 10.1 Ω /M'	Gas Injected PE† .142	2 B.C. Braid 95% .020 PVC Separator	Dura-Flex	.355	16.2 pf/ft	82%	75 Ω	Black
						Connectors King's Triax Female - 7703-2 King's Triax Male - 7705-2				
253815 Plenum	CMP	20 AWG (Solid) BC 10.1 Ω /M'	Foam FEP .138	2 B.C. Braid 95% .020 PVDF Copolymer Separator		.245	16.2 pf/ft	82%	75 Ω	Black Tint
						Connectors King's Triax Female - 7703-6 King's Triax Male - 7705-4				

Electrical Specifications

Catalog No.	Return Loss 100kHz- 1GHz	Attenuation (db/100ft)							
		1 MHz	5 MHz	10 MHz	50 MHz	100 MHz	400 MHz	750 MHz	1 GHz
RG59/U Non-Plenum	>23dB	.5	.7	.9	1.8	2.2	5.6	7.2	9.1
RG59/U Plenum	>23dB	.35	.55	.85	1.9	2.7	5.6	7.9	9.6

Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

†- Gas Injected Polyethylene

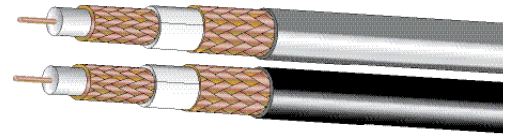
Sweep Tested, 0.3MHz to 3GHz

Broadcast Coaxial Cables

Broadcast Video Cable

Video Triaxial Cable/ RG11/U Type

WEST PENN WIRE



Applications:

- TV Broadcast
- TV Camera Interconnection
- Instrumentation Applications

Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
3811	CL2	14 AWG (Solid) BC 2.6Ω/M'	Gas Injected PE† .280	2 B.C. Braid 95% .020 PVC Separator	PVC	.475	16.2 pf/ft	82%	75Ω	Black
						Connectors King's Triax Female - 7703-1 King's Triax Male - 7705-1				
1150	Outdoor	14 AWG (Solid) BC 2.6Ω/M'	Gas Injected PE† .280	2 B.C. Braid 95% .020 PVC Separator	PE	.475	16.2 pf/ft	82%	75Ω	Black
						Connectors King's Triax Female - 7703-1 King's Triax Male - 7705-1				
1165	Flex Design	14 AWG (Solid) BC 3.0Ω/M'	Gas Injected PE† .304	2 B.C. Braid 95% .020 PVC Separator	Dura-Flex	.510	17.0 pf/ft	82%	75Ω	Black
						Connectors King's Triax Female - 7703-3 King's Triax Male - 7705-3				
253811	CL2P	14 AWG (Solid) BC 2.6Ω/M'	Foam FEP .272	2 B.C. Braid 95% .020 PVDF Separator	Copolymer	.420	16.2 pf/ft	82%	75Ω	Black Tint
						Connectors King's Triax Female - -- King's Triax Male - --				

Electrical Specifications

Catalog No.	Return Loss 100kHz- 1GHz	Attenuation (db/100ft)								
		1 MHz	5 MHz	10 MHz	50 MHz	100 MHz	400 MHz	500 MHz	700 MHz	1 GHz
RG11/U Non-Plenum	>23dB	.2	.27	.35	1.0	1.50	--	4.1	4.7	5.4
RG11/U Plenum	>23dB	.15	.26	.45	.90	1.40	3.80	--	--	7.0

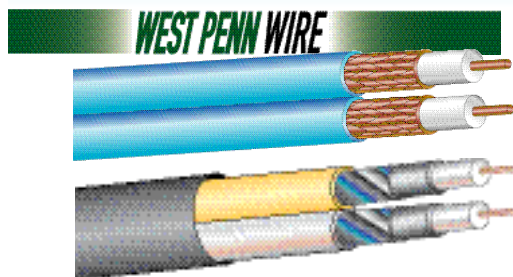
Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

†- Gas Injected Polyethylene

Sweep Tested, 0.3MHz to 3GHz

Broadcast Coaxial Cables



Broadcast Video Cable

SVHS - S-Video Cable

Applications:

- Pro-Video
- SVHS
- CCTV

Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
2825 Dual MiniMax	CM CL2	25 AWG (Solid) BC 30Ω/M'	Gas Injected PE† .085	Bare Copper Braid 95%	PVC	.146 x .302	16.2 pf/ft	82%	75Ω	Blue
						Connectors 75Ω BNC - CN-BM74-18 4 Pin Mini Din- CN-SVHS-M				
252825 Dual MiniMax Plenum	CMP CL2P	25 AWG (Solid) BC 30Ω/M'	Foam FEP .078	Bare Copper Braid 95%	Flexible Plenum	.146 x .302	16.2 pf/ft	82%	75Ω	Blue
						Connectors 75Ω BNC - CN-BM74-18 4 Pin Mini Din- CN-SVHS-M				
252CSVHS	CMP	25 AWG (Solid) BC 32.5Ω/M'	Foam FEP .078	Bare Copper Braid 95%	Flexible Plenum	.150 x .260	16.2 pf/ft	82%	75Ω	Black
						Connectors 75Ω BNC - CN-BM74-19 4 Pin Mini Din- CN-SVHS-M				

Notes: 252CSVHS

Overall Black Jacket
Yellow Coax- Luminance
White Coax- Chrominance

Broadcast Video Cable

MiniMax Miniature - Siamese Construction

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
45825 Siamese Construction	CM	25 AWG (Solid) BC 30Ω/M'	Gas Injected PE† .085	Bare Copper Braid 95%	PVC	.146 x .302	16.2 pf/ft	82%	75Ω	Black White
						Connectors 75Ω BNC - CN-BM74-18				
						Cable Construction Note: This cable contains 1 Coaxial unit plus 1 Pair 22 Awg. (7x30) Bare Copper, Shielded				

Electrical Specifications

Catalog No.	Return Loss 100kHz- 1GHz	Attenuation (db/100ft)											
		1 MHz	10 MHz	50 MHz	100 MHz	200 MHz	400 MHz	700 MHz	1 GHz	--	--	--	--
25 Awg	>23dB	.5	1.80	3.12	4.19	5.79	8.59	11.14	14.41	--	--	--	--

Electrical Specifications For 252CSVHS see page 80

Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

†- Gas Injected Polyethylene

Sweep Tested, 0.3MHz to 3GHz

Broadcast Coaxial Cables

Broadcast Video Cable

4 Pair 24 AWG UTP- Low Skew Cable

Applications:

Indoor for:

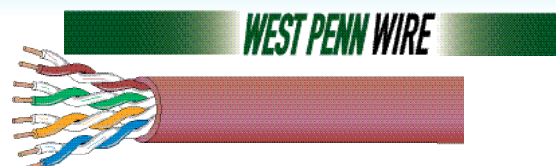
- UTP Based Video
- RGB over UTP
- Non-Plenum Versions for use in vertical run in a shaft and for general purpose communications use in accordance with Article 800 of the NEC
- Plenum Version for use in air handling ducts and spaces in accordance with Article 800 of the NEC

Description:

- ASTM Solid Bare Copper • Plenum and Non-Plenum Versions • 4 Pair Unshielded Twisted Pair Construction
- Overall Jacket

Rating:

- NEC Type CMR and CMP
- (UL) Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: UL1666 and NFPA262 Smoke & Flame Test



Standard spool size 1000ft.

Catalog No.	No. of Pairs	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
M58813	4 Pair	24 AWG Solid 26 Ω/Mft	Thermo-Plastic	None UTP	PVC	.190	CMR	Nom. Cap. 14 pf/ft* Nom. Imp 100Ω	Maroon
M58814	4 Pair	24 AWG Solid 26 Ω/Mft	Thermo-Plastic Plenum	None UTP	Thermo-Plastic	.185	CMP	Nom. Cap. 14 pf/ft* Nom. Imp 100Ω	Maroon

Physical Characteristics	
Cable Weight	PL- 23 lbs/1000ft NPL- 20 lbs/1000ft
Bend Radius	1" Min (4 x Cable O.D.)
Nom. Vel. of Prop.	PL- 72% NPL - 68%
Pulling Tension	25 lbf Max.

Color Code		
Pair No.	1st Cond. Base/Band	2nd Cond.
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown
JACKET: Maroon		

Notes:

West Penn Wire's low skew video twisted pair cable is a proven cost-effective alternative to coax for RGB video applications. This cable was developed in response to the increasing digital signage applications for marketing and advertising. Low skew cable supports longer cable runs than currently available with coax or data cables, has a smaller outside diameter than coax, and can be hidden via plenums or in walls. Made with 24 AWG solid copper cable, it is listed by Underwriters Laboratories as either plenum (CMP) or riser (CMR) applications

Broadcast Coaxial Cables



Broadcast Cables

Cable Assemblies/ Signal-Channel Coax

BNC to BNC are listed

Other Constructions are available: RCA to RCA

Catalog No.	Description	Available Colors	Standard Length (ft)
CN-7BHD825(Color)-(Length)	75Ω MiniMax Non-Plenum Cable: HD825	Black, Blue, Red, Yellow, Green, White	3, 6, 10,15,20, 25
CN-7B819(Color)-(Length)	75Ω RG59/U Non-Plenum Cable: 819	Black, Blue, Red, Yellow, Green, White	3, 6, 10,15,20, 25
CN-7B6350(Color)-(Length)	75Ω RG6/U Non-Plenum Cable: 6350	Black, Blue, Red, Yellow, Green, White	3, 6, 10,15,20, 25
CN7BHD25825(Color)(Length)	75Ω MiniMax Plenum Cable: HD25825	Black, Blue, Red, Yellow, Green, White	6, 10,15,25, 50,75

BK, BL, RD,
YE, GN, WH

Broadcast Cable

Cable Assemblies/ RGB Cables

BNC AND RCA CONNECTORS

Applications:

- Component Analog Video
- Multi-Channel SDI Digital Video



Catalog No.	Description	Colors	Standard Length (ft)
CN-5CRGB-(Length)	5 Coax RGB BNC to BNC Cable: 25 AWG Non-Plenum	Jacket: Black Ind. Coax: RD, GN, BL, YE, WH	12, 25, 50, 75, 100
CN-255CRGB-(Length)	5 Coax RGB BNC to BNC Cable: 25 AWG Plenum	Jacket: Black Ind. Coax: RD, GN, BL, YE, WH	12, 25, 50, 75, 100
CN-8195-(Length)	5 Coax RGB BNC to BNC Cable: RG59/U WP8195 Non-Plenum	Jacket: Black Ind. Coax: RD, GN, BL, YE, WH	12, 25, 50, 75, 100, 150, 200
CN-258195-(Length)	5 Coax RGB BNC to BNC Cable: RG59/U WP258195 Plenum	Jacket: Black Ind. Coax: RD, GN, BL, YE, WH	12, 25, 50, 75, 100, 150, 200
CN-6355-(Length)	5 Coax RGB BNC to BNC Cable: RG6/U WP6355 Non Plenum	Jacket: Black Ind. Coax: RD, GN, BL, YE, WH	12, 25, 50, 75, 100, 150, 200
CN-7B258263-(Length)	3 Coax RGB BNC to BNC Cable: 26Awg. Plenum	Jacket: Black Ind. Coax: RD, GN, BL	25, 50, 75, 100, 150
CN258263RCA (Length)	3 Coax RGB RCA To RCA Cable: 26Awg. Plenum	Jacket: Black Ind. Coax: RD, GN, BL	25, 50, 75, 100, 150
CN-E3BNC-(Length)	3 Coax RGB PVC BNC Economy	Jacket: Black Ind. Coax: RD, GN, BL	3, 6, 12
CN-E3RCA-(Length)	3 Coax RGB PVC RCA Economy	Jacket: Black Ind. Coax: RD, GN, BL	3, 6, 12

Cable Assemblies/ Audio/Video

Catalog No.	Description	Colors	Standard Lengths (ft.)
CNLSAVRCA (Length)	CM - Audio/Video Cable: Coax + 2 Audio Cables	Video: Coax- Yellow Jkt Pair 1 : Left Audio- White Jkt Pair 2 : Right Audio- Red Jkt	25, 50, 75, 100, 150
CNLS25AVRCA (Length)	CMP- Plenum Audio/Video Cable: Coax + 2 Audio Cables	Video: Coax- Yellow Jkt Pair 1 : Left Audio- White Jkt Pair 2 : Right Audio- Red Jkt	25, 50, 75, 100, 150

Connectors:

Coaxial Cable: CN-CSRCA-25 - RCA Coaxial Connector

Left Audio: White Audio Cable: 19-1268- Black RCA Connector

Broadcast Coaxial Cables

Broadcast Cable

Cable Assemblies/ VGA (HD15 and BNC)

Applications:

- High Resolution VGA application
- Component Video



Catalog No.	Description	Colors	Standard Length (ft)
CN258265BHDF (Length)	26 Awg. - 5 Coax - HD15 Female to 5 BNC Male Plenum	Jacket: Black Ind. Coax: RD, GN, BL, YE, WH	25, 50, 75, 100, 125, 150, 175
CN258265BHDM (Length)	26 Awg. - 5 Coax - HD15 Male to 5 BNC Male Plenum	Jacket: Black Ind. Coax: RD, GN, BL, YE, WH	25, 50, 75, 100, 125, 150, 175
CN258265HDFM (Length)	26 Awg. - 5 Coax - HD15 to HD15 Female to Male Plenum	Jacket: Black Ind. Coax: RD, GN, BL, YE, WH	25, 50, 75, 100, 125, 150, 175
CN258265HDMM (Length)	26 Awg. - 5 Coax - HD15 to HD15 Male to Male Plenum	Jacket: Black Ind. Coax: RD, GN, BL, YE, WH	25, 50, 75, 100, 125, 150, 175
CN-EVGA-(Length)	Economy HD15(M) TO BNC (F)	Jacket: Black Ind. Coax: RD, GN, BL, YE, WH	1, 3, 6, 10, 15
CN255CRGBHDF (Length)	25 Awg. - 5 Coax - HD15 Female to 5 BNC Male Plenum	Jacket: Black Ind. Coax: RD, GN, BL, YE, WH	25, 50, 75, 100, 125, 150, 175
CN255CRGBHDM (Length)	25 Awg. - 5 Coax - HD15 Male to 5 BNC Male Plenum	Jacket: Black Ind. Coax: RD, GN, BL, YE, WH	25, 50, 75, 100, 125, 150, 175
CN255CRGHDFM (Length)	25 Awg. - 5 Coax - HD15 to HD15 Female to Male Plenum	Jacket: Black Ind. Coax: RD, GN, BL, YE, WH	25, 50, 75, 100, 125, 150, 175
CN255CRGHDM (Length)	25 Awg. - 5 Coax - HD15 to HD15 Male to Male Plenum	Jacket: Black Ind. Coax: RD, GN, BL, YE, WH	25, 50, 75, 100, 125, 150, 175



Broadcast Cables

Cable Assemblies/ SVHS

Applications:

- High Resolution SVHS (S-Video)
- SVHS to Chrominance and Luminance Components

Catalog No.	Description	Colors	Standard Length (ft)
DTD2825-(Length)	PVC 4 Pin Mini Din to 4 Pin Mini Din	Jacket: Blue	12, 25, 50, 75, 100, 125, 150
DTB2825-(Length)	PVC 4 Pin Mini Din to 75Ω BNC's	Jacket: Blue	12, 25, 50, 75, 100, 125, 150
DTD252825-(Length)	Plenum 4 Pin Mini Din to 4 Pin Mini Din	Jacket: Blue	12, 25, 50, 75, 100, 125, 150
DTB252825-(Length)	Plenum 4 Pin Mini Din to 75Ω BNC's	Jacket: Blue	12, 25, 50, 75, 100, 125, 150
DTDE-(Length)	Economy Mini Din to Mini Din	Jacket: Black	3, 6, 12

Catalog No.	Description	Colors	Standard Length (ft)
DTD252CSVHS-(Length)	PVC 4 Pin Mini Din to 4 Pin Mini Din	Jacket: Black	12, 25, 50, 75, 100, 125, 150
DTB252CSVHS-(Length)	PVC 4 Pin Mini Din to 75Ω BNC's	Jacket: Black	12, 25, 50, 75, 100, 125, 150

SVHS Connectors	
Catalog No.	Description
CN-SVHS-M	4 Pin Mini Din SVHS Connector Male
CN-SVHS-FB	4 Pin Mini Din SVHS Feed Thru
CN-MD4FFN	4 Pin Mini Din Front Panel Mount Feed Thru



Broadcast Coaxial Cables

Broadcast Cables

Cable Assemblies/ HDMI and DVI



Applications:

- HDMI Digital Video
- DVI-D Digital Video
- 1080i Uncompressed HDTV

Catalog No.	Description	Standard Length (meters)
CN-HDMI-xM	HDMI TO HDMI IN METERS	Replace x with: 1, 2, 3, 5, 6, 8,10,12
CN-HDMIXLR-xM	HDMI TO HDMI WITH REPEATER IN METERS	Replace x with: 15, 20, 30

Broadcast Cable A/V Wallplates

Catalog No.	Description
CN-SSHDTB3RS3.5	1-HD15 Term. Block, 3 RCA, 1-4Pin Mini Din, 1- 3.5mm Audio- Stainless
CN-WSHDTB3RS3.5	1-HD15 Term. Block, 3 RCA, 1-4Pin Mini Din, 1- 3.5mm Audio- White
CN-SSHD3RS3.5	1-HD15 (f-f), 3 RCA, 1-4Pin Mini Din, 1- 3.5mm Audio- Stainless
CN-WSHD3RS3.5	1-HD15 (f,f), 3 RCA, 1-4Pin Mini Din, 1- 3.5mm Audio- White
CN-SSHDTB2R	1-HD15 Term. Block, 2 RCA Stainless
CN-WSHDTB2R	1-HD15 Term. Block, 2 RCA - White
CN-SSHD2R	1-HD15 (f-f), 2 RCA - Stainless
CN-WSHD2R	1-HD15 (f,f), 2 RCA - White
CN-SSHDTBS	1-HD15 Term. Block, 1-4Pin Mini Din- Stainless
CN-WSHDTBS	1-HD15 Term. Block, 1-4Pin Mini Din- White
CN-SSHDS	1-HD15 (f-f), 1-4Pin Mini Din- Stainless
CN-WSHDS	1-HD15 (f,f), 1-4Pin Mini Din- White
CN-SSHDTB3R	1-HD15 Term. Block, 3 RCA- Stainless
CN-WSHDTB3R	1-HD15 Term. Block, 3 RCA- White
CN-SSHD3R	1-HD15 (f-f), 3 RCA-- Stainless
CN-WSHD3R	1-HD15 (f,f), 3 RCA-- White
CN-SSHDTB3.5	1-HD15 Term. Block, 1- 3.5mm Audio- Stainless
CN-WSHDTB3.5	1-HD15 Term. Block, 1- 3.5mm Audio- White
CN-SSHD3.5	1-HD15 (f-f), 1- 3.5mm Audio- Stainless
CN-WSHD3.5	1-HD15 (f,f), 1- 3.5mm Audio- White
CN-SSHDTB3R3.5	1-HD15 Term. Block, 3 RCA, 1- 3.5mm Audio- Stainless
CN-WSHDTB3R3.5	1-HD15 Term. Block, 3 RCA, 1- 3.5mm Audio- White
CN-SSHD3R3.5	1-HD15 (f-f), 3 RCA, 1- 3.5mm Audio- Stainless
CN-WSHD3R3.5	1-HD15 (f,f), 3 RCA, 1- 3.5mm Audio- White
CN-SSHDTBV	1-HD15 Term. Block, 1 RCA- Stainless
CN-WSHDTBV	1-HD15 Term. Block, 1 RCA- White
CN-SSHDV	1-HD15 (f-f), 1 RCA- Stainless
CN-WSHDV	1-HD15 (f,f), 1 RCA- White
CN-SSV3.5	1 RCA,1- 3.5mm Audio- Stainless
CN-WSV3.5	1 RCA,1- 3.5mm Audio- White
CN-SSRGBHV	5 BNC- Stainless
CN-WSRGBHV	5 BNC- White



Broadcast Coaxial Cables

Broadcast Cable Install Kits/ HD15 Male to BNC Plenum & Non-Plenum Kits

Kit Components:

- Length of WP258265, 255CRGB or 5CRGB Connectorized at one end with HD15 Male
- 5- 75Ω BNC Connectors
- 5- Colored Boots
- Piece of Heat Shrink



Catalog No.	Description	Standard Length (ft)
CN258265KBHM(Length)	5 Coax RGB 26Awg.Plenum Cable - Connectorized with a HD15 on one end - 5 75Ω BNC with boots for the other end	25, 50, 75, 100, 125, 150, 175, 200
CN255CRGKBHM(Length)	5 Coax RGB 25Awg.Plenum Cable - Connectorized with a HD15 on one end - 5 75Ω BNC with boots for the other end	25, 50, 75, 100, 125, 150, 175, 200
CN5CRGKBHM(Length)	5 Coax RGB 25Awg. Non-Plenum Cable - Connectorized with a HD15 on one end - 5 75Ω BNC with boots for the other end	25, 50, 75, 100, 125, 150, 175, 200



Broadcast Cables

Install Kits/ HD15 Male to HD15 (M or F) Kit Components:

- Length of WP258265, 255CRGB or 5CRGB Connectorized at one end with HD15 Male
- The other end is prepared for field termination
- 1- HD15 Male
- 1- HD15 Female
- HD15 Hood
- Piece of Heat Shrink

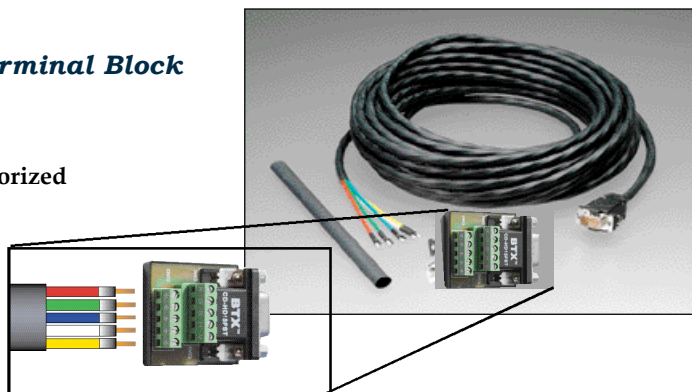
Catalog No.	Description	Standard Length (ft)
CN258265KHMF(Length)	5 Coax RGB 26Awg.Plenum Cable - Connectorized with a HD15 on one end - HD15 (M or F) for the other end.	25, 50, 75, 100, 125, 150, 175, 200
CN255CRGKHMF(Length)	5 Coax RGB 25Awg.Plenum Cable - Connectorized with a HD15 on one end - HD15 (M or F) for the other end.	25, 50, 75, 100, 125, 150, 175, 200
CN5CRGKHMF(Length)	5 Coax RGB 25Awg.Non-Plenum Cable - Connectorized with a HD15 on one end - HD15 (M or F) for the other end.	25, 50, 75, 100, 125, 150, 175, 200

Broadcast Cable

Install Kits/ HD15 Male to HD 15 Terminal Block

Kit Components:

- Length of WP258265, 255CRGB or 5CRGB Connectorized at one end with HD15 Male
- The other end is prepared for field termination
- 1-HD Terminal Block (CN-HD15FST)



Catalog No.	Description	Standard Length (ft)
CN258265KHTB(Length)	5 Coax RGB 26Awg.Plenum Cable - Connectorized with a HD15 on one end - HD15 Terminal Block	25, 50, 75, 100, 125, 150, 175, 200
CN255CRGKHTB(Length)	5 Coax RGB 25Awg.Plenum Cable - Connectorized with a HD15 on one end - HD15 Terminal Block	25, 50, 75, 100, 125, 150, 175, 200
CN5CRGKHTB(Length)	5 Coax RGB 25Awg. Non-Plenum Cable - Connectorized with a HD15 on one end - HD15 Terminal Block	25, 50, 75, 100, 125, 150, 175, 200

Broadcast Coaxial Cables

Broadcast Cable Install Kits/ SVHS



Kit Components:

- Length of SVHS Cable Connectorized (one end) with 4 Pin Male Mini Din
- 2- 75Ω Male BNC Connector
- 2- Colored Boots
- 1- MiniDin to 2 Female BNC Pigtail

Applications:

- S-Video (SVHS)

Catalog No	Description	Standard Length (ft)
DTBK2825-(Length)	SVHS Install Kit 4 Pin MiniDin to 75Ω BNC or 4 Pin MiniDin Non-Plenum	25, 50, 75, 100, 150
DTBK252825-(Length)	SVHS Install Kit 4 Pin MiniDin to 75Ω BNC or 4 Pin MiniDin Plenum	25, 50, 75, 100, 150
DTBK252CSVHS(Length)	SVHS Install Kit 4 Pin MiniDin to 75Ω BNC or 4 Pin MiniDin Plenum	25, 50, 75, 100, 150



Digital Video Connector Cross-Reference				
Cat. No.	Connector Type	Connector	Crimp Tool	Strip Tool
HD825 HD25825 WP8255	75Ω BNC Crimp	CN-BM74-18	TL-105	TL-825
	75Ω BNC Compression	CN-CSBNC-25	TL-SNSA	TL-CSST
	75Ω BNC Crimp Female	CN-BF74-18	TL-105	TL-825
	RCA Crimp	CN-PRCA-825	--	--
	RCA Compression	CN-CSRCA-25	TL-SNSA	TL-CSST
819 WP8195	75Ω BNC Crimp	CN-BM73-2	TL-104	TL-121
	75Ω BNC Compression	CN-CSBNC-59	TL-SNSA	TL-CSST
	RCA Compression	CN-CSRCA-59	TL-SNSA	TL-CSST
25819 WP258195	75Ω BNC Crimp	CN-BM73-30	TL-104	TL-121
	75Ω BNC Compression	CN-CSBNC-59	TL-SNSA	TL-CSST
	RCA Compression	CN-CSRCA-59	TL-SNSA	TL-CSST
6350 WP6355	75Ω BNC Crimp	CN-BM73-5	TL-107	TL-121
	75Ω BNC Compression	CN-CSBNC-6	TL-SNSA	TL-CSST
	RCA Compression	CN-CSRCA-6	TL-SNSA	TL-CSST
256350	75Ω BNC Crimp	CN-BM73-4	TL-107	TL-121
	75Ω BNC Compression	--	--	--
	RCA Compression	CN-CSRCA-6	TL-SNSA	TL-CSST
1135	BNC Crimp	CN-BM53-26	TL-113	TL-124
P806	75Ω BNC Crimp	CN-BM73-3	--	--



Connector Kits	
TL-CS25TKB	MiniMax Installation Kit Pro-Video (20 BNC + 20 RCA)
TL-CS26TK	26Awg. Miniature Installation Kit Pro-Video (20 BNC + 20 RCA)

HD15 Terminal Block Connectors	
Catalog No.	Description
CN-HD15FST	HD15(F) Terminal Block
CN-MX15F	PREMIUM HD15(F) Terminal Block
CN-MX15M	PREMIUM HD15(M) Terminal Block
CN-MX915H	Hood for PREMIUM Terminal Blocks

