

Broadcast and Professional AV Solutions



Featured Brands

BELDEN

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A BELDEN BRAND

 **Telecast**
FIBER SYSTEMS
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**Broadcast and Audio Video
Products and Systems**

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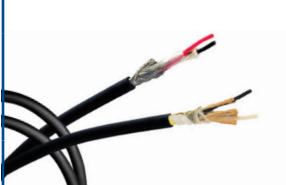
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Analog Audio Solutions

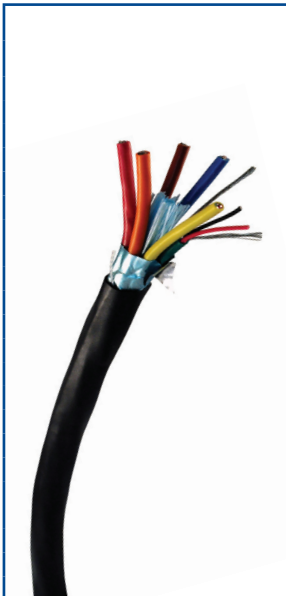
Microphone Cable

	Description	Belden Part Number	
		Non Plenum	
	26 AWG, Star Quad	1172A	
	24 AWG, Star Quad	1192A	
	24 AWG, 1 Pair, Braid Shield, Analog/Digital, CMR Rated	1800F	
	20 AWG, 2 Conductor, Rugged All-Rubber Construction	8412	
	20 AWG, 2 Conductor, High Strength Construction	1776	


Line Level Cable

	Description	Belden Part Number		
		Non Plenum	Plenum	Water-blocked
	22 AWG, 1 Pair	8451	—	—
	22 AWG, 1 Pair, Bonded Foil	9451	9451P	9451WB
	22 AWG, 2 Pair, Bonded Foil	9451D	9451DP	—
	22 AWG, 2 Pair, Individually Shielded	8723	82723	—

Multi-Pair Snake Cable


	Description	Belden Part Number			
		Non Plenum	Plenum	Banana Peel Plenum	Water-blocked
	24 AWG, 4 Pair, Individually Shielded/Jacketed, Flexible	1510C	—	—	—
	24 AWG, 6 Pair, Individually Shielded/Jacketed, Flexible	1511C	—	—	—
	24 AWG, 8 Pair, Individually Shielded/Jacketed, Flexible	1512C	—	—	—
	24 AWG, 12 Pair, Individually Shielded/Jacketed, Flexible	1513C	—	—	—
	24 AWG, 16 Pair, Individually Shielded/Jacketed, Flexible	1514C	—	—	—
	22 AWG, 2 Pair, Individually Shielded/Jacketed, Install	1814R	—	—	1814WB
	22 AWG, 4 Pair, Individually Shielded/Jacketed, Install	1815R	1815P	9451PS4	1815WB
	22 AWG, 6 Pair, Individually Shielded/Jacketed, Install	1816R	1816P	9451PS6	1816WB
	22 AWG, 8 Pair, Individually Shielded/Jacketed, Install	1817R	1817P	—	1817WB
	22 AWG, 12 Pair, Individually Shielded/Jacketed, Install	1818R	1818P	—	1818WB
	22 AWG, 16 Pair, Individually Shielded/Jacketed, Install	1819R	—	—	—
	22 AWG, 20 Pair, Individually Shielded/Jacketed, Install	1820R	—	—	—
	22 AWG, 24 Pair, Individually Shielded/Jacketed, Install	1821R	—	—	—
	22 AWG, 26 Pair, Individually Shielded/Jacketed, Install	1822R	—	—	—
	22 AWG, 32 Pair, Individually Shielded/Jacketed, Install	1823R	—	—	—
	22 AWG, 2 Pair, Individually Shielded	—	6541PA	—	—
	22 AWG, 3 Pair, Individually Shielded	—	6542PA	—	—
	22 AWG, 4 Pair, Individually Shielded	—	6543PA	—	—
	22 AWG, 6 Pair, Individually Shielded	—	6545PA	—	—
	22 AWG, 8 Pair, Individually Shielded	—	6546PA	—	—
	22 AWG, 12 Pair, Individually Shielded	—	6548PA	—	—
	22 AWG, 16 Pair, Individually Shielded	—	6549PA	—	—

Intercom/Paging/Public Address Cable


	Description	Belden Part Number		
		Non Plenum	Plenum	Water-blocked
	22 AWG, 1 Pair, Shielded	5500FE	6500FE	5500F1
	18 AWG, 1 Pair, Shielded	5300FE	6300FE	5300F1
	16 AWG, 1 Pair, Shielded	5200FE	6200FE	5240F1
	14 AWG, 1 Pair, Shielded	5100FE	6100FE	5140F1
	12 AWG, 1 Pair, Shielded	5000FE	6000FE	—
	22 AWG, 1 Pair, Shielded + 22 AWG, 2 Conductor	5502GE	6502GE	—
	18 AWG, 1 Pair, Shielded + 18 AWG, 2 Conductor	5302GE	—	—
	22 AWG, 4 Conductor, Shielded	5502FE	6502FE	—
	18 AWG, 4 Conductor, Shielded	5302FE	6302FE	—
	22 AWG, 2 Pair, Individually Shielded	—	1325A	—
	22 AWG, 3 Pair, Individually Shielded	—	1326A	—

Analog Audio Solutions (continued)

Speaker Cable

	Description	Belden Part Number		
		Non Plenum	Plenum	Water-blocked
	18 AWG, 2 Conductor	5300UE	6300UE	5300U1
	18 AWG, 4 Conductor	5302UE	6302UE	5302U1
	16 AWG, 2 Conductor	5200UE	6200UE	5240U1
	16 AWG, 4 Conductor	5202UE	6202UE	5202U1
	14 AWG, 2 Conductor	5100UE	6100UE	5140U1
	14 AWG, 4 Conductor	5102UE	6102UE	5102U1
	12 AWG, 2 Conductor	5000UE	6000UE	—
	10 AWG, 2 Conductor	5T00UP	6T00UP	—
	16 AWG, 2 Conductor, Indoor/Outdoor	1307A	—	—
	16 AWG, 4 Conductor, Indoor/Outdoor	1308A	—	—
	14 AWG, 2 Conductor, Indoor/Outdoor	1309A	—	—
	14 AWG, 4 Conductor, Indoor/Outdoor	1310A	—	—
	12 AWG, 2 Conductor, Indoor/Outdoor	1311A	—	—
	12 AWG, 4 Conductor, Indoor/Outdoor	1312A	—	—
	10 AWG, 2 Conductor, Indoor/Outdoor	1313A	—	—

Analog Audio Accessories

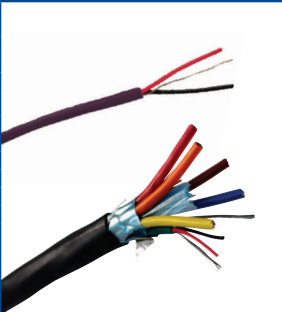
	Description	Belden Part Number
	Velcro Ties	AX100784
	Spade Tip	RGSP1
	Banana Tip	RGSPB
	Pin Tip	RGSPP
	Connector Body, Straight	RGSPU
	Connector Body, Right Angle	RGSPURA
	Connector Body Compression Tool	CPLCCT-SLMR

Digital Audio Solutions

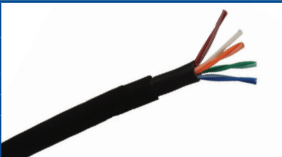
Microphone Cable

	Description	Belden Part Number
		Non Plenum
	26 AWG, 1 Pair, Braid Shield	2221
	24 AWG, 1 Pair, Braid Shield, Analog/Digital, CMR Rated	1800F

Multi-Pair Snake Cable

	Description	Belden Part Number	
		Non Plenum	Plenum
	24 AWG, 1 Pair, Foil Shield	1800B	1801B
	24 AWG, 2 Pair, Foil Shield	1802B	—
	26 AWG, 4 Pair, Individually Shielded/Jacketed Pairs	7890A	SPECIAL - Call for Details
	26 AWG, 8 Pair, Individually Shielded/Overall Shield	7880A	SPECIAL - Call for Details
	26 AWG, 12 Pair, Individually Shielded/Overall Shield	7892A	SPECIAL - Call for Details
	26 AWG, 16 Pair, Individually Shielded/Overall Shield	7893A	SPECIAL - Call for Details
	24 AWG, 4 Pair, Individually Shielded/Overall Shield	1803F	SPECIAL - Call for Details
	24 AWG, 6 pair, Individually Shielded, Banana Peel Construction	—	1801BS6
	24 AWG, 8 Pair, Individually Shielded/Overall Shield	1805F	SPECIAL - Call for Details
	24 AWG, 12 Pair, Individually Shielded/Overall Shield	1806F	SPECIAL - Call for Details
	24 AWG, 16 Pair, Individually Shielded/Overall Shield	1850F	SPECIAL - Call for Details
	24 AWG, 24 Pair, Individually Shielded/Overall Shield	1852F	SPECIAL - Call for Details
	24 AWG, 32 Pair, Individually Shielded/Overall Shield	1854F	SPECIAL - Call for Details

Other Digital Audio Products

	Description	Belden Part Number
		Non Plenum
	AES/EBU Digital Audio, 1 Pair, Category 5E, Patch	1353A
	CatSnake, 4 Pair, Category 5E, Heavy Duty	1304A
	CatSnake, 4 Pair, Category 5E, Heavy Duty, Flexible, Upjacketed	1305A
	Digital Audio Coax	See Video Distribution Solutions on page 5.



Video Distribution Solutions

Miniature Coax Cable

	Description	Belden Part Number									
		Cable	Connectors 4.5 Gig BNC Compression	4.5 Gig BNC Locking	3.0 Gig BNC Compression	Compression Tool	Strip Tool	4.5 Gig BNC 3 Piece Crimp	Crimp Tool	Strip Tools	Boots
	SubMiniature, 28.5 AWG, Precision Video, Non Plenum	179DT	179DTBHD1	179DTBHDL	DB15BNCHD	CPLCRBC-BR	PS59/6/RGB	179DTBHD3	BB3PHCT	BB3PST	SLS-RGB-*
	Miniature 23 AWG Precision Video, Non Plenum and Plenum	1855A	1855ABHD1	1855ABHDL	DB15BNCHD	CPLCRBC-BR	PS59/6/RGB	1855ABHD3	BB3PHCT	BB3PST	SLS-RGB-*
	Miniature RG59 Precision Video, Non Plenum and Plenum	1855P	1855ABHD1	1855ABHDL	DB15BNCHD	CPLCRBC-BR	PS59/6/RGB	1855ABHD3	BB3PHCT	BB3PST	SLS-RGB-*
	Mini VideoFlex 5 Cond RG59 Snake, Non Plenum (1855A)	7789A	1855ABHD1	1855ABHDL	DB15BNCHD	CPLCRBC-BR	PS59/6/RGB	1855ABHD3	BB3PHCT	BB3PST	SLS-RGB-*

* indicate color when ordering, Yellow, Red, White or Black

RG-59 Coax Cable

	Description	Belden Part Number									
		Cable	Connectors 4.5 Gig BNC Compression	4.5 Gig BNC Locking	3.0 Gig BNC Compression	Compression Tool	Strip Tool	4.5 Gig BNC 3 Piece Crimp	Crimp Tool	Strip Tools	Boots
	RG59 Precision Video, Non Plenum	1505A	1505ABHD1	1505ABHDL	DB59BNCHD	CPLCRBC-BR	PS59/6	1505ABHD3	BB3PHCT	BB3PST	SLS-59/6
	RG59 Precision Video, Plenum	1506A	1506ABHD1	1506ABHDL	—	CPLCRBC-BR	PS59/6	1506ABHD3	BB3PHCT	BB3PST	SLS-59/6
	RG59 Precision Video, Flexible	1505F	1505ABHD1	1505ABHDL	DB59BNCHD	CPLCRBC-BR	PS59/6	1505ABHD3	BB3PHCT	BB3PST	SLS-59/6
	VideoFlex 5 Cond RG59 Snake, Non Plenum (1505A)	7796A	1505ABHD1	1505ABHDL	DB59BNCHD	CPLCRBC-BR	PS59/6	1505ABHD3	BB3PHCT	BB3PST	SLS-59/6

RG-6 Coax Cable

	Description	Belden Part Number									
		Cable	Connectors 4.5 Gig BNC Compression	4.5 Gig BNC Locking	3.0 Gig BNC Compression	Compression Tool	Strip Tool	4.5 Gig BNC 3 Piece Crimp	Crimp Tool	Strip Tools	Boots
	RG6 Precision Video, Non Plenum	1694A	1694ABHD1	1694ABHDL	DB6BNCHD	CPLCRBC-BR	PSA59/6	1694ABHD3	BB3PHCT	BB3PST	SLS-59/6
	RG6 Precision Video, Plenum	1695A	1695ABHD1	1695ABHDL	—	CPLCRBC-BR	PSA59/6	1694ABHD3	BB3PHCT	BB3PST	SLS-59/6
	RG6 Precision Video, Flexible	1694F	1694ABHD1	1694ABHDL	DB6BNCHD	CPLCRBC-BR	PSA59/6	1694ABHD3	BB3PHCT	BB3PST	SLS-59/6
	RG6 Precision Video, Dual Link	1694D	1694ABHD1	1694ABHDL	DB6BNCHD	CPLCRBC-BR	PSA59/6	1694ABHD3	BB3PHCT	BB3PST	SLS-59/6
	RG6 Precision Video, Indoor/Outdoor Waterblocked	1694WB	1694ABHD1	1694ABHDL	DB6BNCHD	CPLCRBC-BR	PSA59/6	1694ABHD3	BB3PHCT	BB3PST	SLS-59/6
	VideoFlex 5 Cond RG6 Snake, Non Plenum (1694A)	7712A	1694ABHD1	1694ABHDL	DB6BNCHD	CPLCRBC-BR	PSA59/6	1694ABHD3	BB3PHCT	BB3PST	SLS-59/6

RG-7 Coax Cable


	Description	Belden Part Number			
		Cable	Connectors 4.5 Gig BNC Compression	Compression Tool	Strip Tool
	RG7 Precision Video, Non Plenum	1794A	1794ABHD1	CPLCRBC1794	PS-11

RG-11 Coax Cable


	Description	Belden Part Number					
		Cable	Connectors 3.0 Gig BNC Compression	BNC Compression Tool	Connectors 3.0 Gig F Compression	F Compression Tools	Strip Tool
	RG11 Precision Video, Non Plenum	7731A	FSNS11QHBC	SNSUNI, CPLCCT-11BNC	716SNS1P11HQ	SNSUNI, L3011B, CPLCCT-SS59/11	PS-11
	RG11 Precision Video, Plenum	7732A	FSNSHBCNPLA	SNSUNI, CPLCCT-11BNC	716SNS1P11HPLA	SNSUNI, L3011B, CPLCCT-SS59/11	PS-11

Video Camera Solutions


Triax Cable

	Description	Belden Part Number
	RG59 Triax, Non Plenum	8232/8232a
	RG59 High Flex Triax, Non Plenum	1857A
	RG59 Triax, Plenum	88232
	RG11 Triax, Non Plenum	8233
	RG11 Triax, Waterblocked	8233WB
	RG11 High Flex Triax, Non Plenum	1858A
	RG11 Triax, Plenum	1859A


Electronic News Gathering (ENG) Cable

	Description	Belden Part Number
	2 RG59 20 AWG digital coax + 4 STP 22 AWG	1347A
	RG59 22 AWG stranded analog coax + 1 STP 22 AWG	9265
	RG59 22 AWG stranded analog coax + 3 STP 22 AWG	9165
	RG59 ENG EFP Applications (Connectors and Tools)	DB59BNCU, CPLCRBC-B, PSA59/6, SLS-59/6


SMPTE Cable

	Description	Belden Part Number
	SMPTE 311M HDTV - (2) fiber, (2) 24 AWG, (4) 20 AWG, Non Plenum	7804R
	SMPTE 311M HDTV - (2) fiber, (2) 24 AWG, (4) 20 AWG, Plenum	7804P
	SMPTE 311M HDTV - (2) fiber, (2) 24 AWG, (2) 16 AWG	7804C
	SMPTE 311M HDTV - (2) fiber, (2) 24 AWG, (4) 20 AWG	7804WB
	SMPTE Pre-Terminated Assemblies	Call for Details

Tactical Fiber Cable

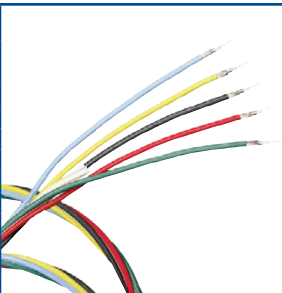
	Description	Belden Part Number
	Field Deployable Tactical Fiber - 4 Strand	B96639
	Field Deployable Tactical Fiber - 6 Strand	B96567
	Field Deployable Tactical Fiber - 12 Strand	B96570

Other Video Camera Products


	Description	Belden Part Number
	Bulk Fiber Cable, Connectors, Tools & Accessories	See Pages 14-16
	Pre-Terminated Tactical Fiber Cable	Call for Details
	Telecast Fiber Camera Mounted Systems	See Pages 18-21

Video Display Solutions

RGB Cable

	Description	Belden Part Number			
		Cable	3.0 Gig BNC Compression	Compression Tool	Strip Tool
	6 Conductor Mini Hi-Res + 2 STP 22 AWG Projector Composite, Non Plenum	5788AV	DB1BNCHD	CPLCRBC-BR	PS59/6/RGB
	6 Conductor Mini Hi-Res + 2 STP 22 AWG Projector Composite, Plenum	6788AV	DB1BNCHD	CPLCRBC-BR	PS59/6/RGB
	5 Conductor Mini Hi-Res RGB, Non Plenum	1279R	DB1BNCHD	CPLCRBC-BR	PS59/6/RGB
	5 Conductor Mini Hi-Res RGB, Plenum	1279P	DB1BNCHD	CPLCRBC-BR	PS59/6/RGB
	Banana Peel 5 Conductor Mini Hi-Res RGB, Non Plenum	1281S5	DB1BNCHD	CPLCRBC-BR	PS59/6/RGB
	Banana Peel 5 Conductor Mini Hi-Res RGB, Plenum	1282S5	DB1BNCHD	CPLCRBC-BR	PS59/6/RGB
	3 Conductor Mini Hi-Res RGB, Non Plenum	1277R	DB1BNCHD	CPLCRBC-BR	PS59/6/RGB
	3 Conductor Mini Hi-Res RGB, Plenum	1277P	DB1BNCHD	CPLCRBC-BR	PS59/6/RGB
	1 Conductor, 75 Ohm Miniature Coax, Non Plenum	1281R	DB1BNCHD	CPLCRBC-BR	PS59/6/RGB
	1 Conductor, 75 Ohm Miniature Coax, Plenum	1281P	DB1BNCHD	CPLCRBC-BR	PS59/6/RGB

S-Video Cable

	Description	Belden Part Number
	S-Video Dual 30 AWG Coax Twin Parallel Flat, Non Plenum	1807A
	S-Video Dual 30 AWG Coax Twin Parallel Flat, Plenum	7700A
	S-Video Dual 30 AWG Coax Round, Non Plenum	1808A



Video Display Solutions (continued)

Low Skew Cable


	Description	Belden Part Number	
		Cable	RJ-45 Plugs
	Nano Skew, Non Plenum	7987R	301602
	Nano Skew, Plenum	7987P	301602
	Low Skew Cat 5E, Non Plenum	7988R	301602
	Low Skew Cat 5E, Plenum	7988P	301602

Nano Skew Patch Cords



Description	Belden Part Number	
	Non-Plenum CMR	Plenum CMP
Nano Skew Patch Cord Video, UTP/50, 50 ft. (15.2 M), Maroon	AC303574	AC303584
Nano Skew Patch Cord Video, UTP/75, 75 ft. (22.8 M), Maroon	AC303575	AC303585
Nano Skew Patch Cord Video, UTP/100, 100 ft. (30.4 M), Maroon	AC303576	AC303586

Other options available


HDMI Cable

	Description	Belden Part Number
	HDMI Cable Assemblies, 1 Meter	HD2001
	HDMI Cable Assemblies, 2 Meter	HD2002
	HDMI Cable Assemblies, 3 Meter	HD2003
	HDMI Cable Assemblies, 4 Meter	HD2004
	HDMI Cable Assemblies, 7 Meter	HD2007

HDMI Extenders

	Description	Belden Part Number
	THOR HDMI Cable is an HDMI Extender that stretches your High-Definition 1080P Multimedia Interface connectivity up to 100 meters (330 ft).	THOR-CBL-HDMI
	THOR Display Port Cable is a Displayport Extender that stretches your High-Definition (up to 2560 x 1600) Apple or Dell media feed up to 100 meters (330 ft).	THOR-CBL-DP

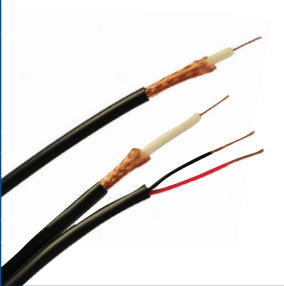
Satellite and CATV Cable

	Description	Belden Part Number							
		Cable	Connectors F Compression	Connector Tool F Compression	4.5 Gig BNC Locking	RCA	3.0 Gig BNC Compression	Connector Tool BNC Compression	Strip Tool
	DBS/Satellite - RG-6 18 AWG Solid BC Dual Shield, Non Plenum	1829AC	DB6U	CPLCRBC-BR	1694ABHD1	DB6RCAU	DB6BNCHD	CPLCRBC-BR	PSA59/6
	CATV - RG-6 18 AWG Solid Dual Shield, Non Plenum	9116	DB6U	CPLCRBC-BR	1694ABHD1	DB6RCAU	DB6BNCHD	CPLCRBC-BR	PSA59/6
	CATV - RG-6 18 AWG Solid Dual Shield, Plenum	9116P	DB6PL2	CPLCRBC-BR	1695ABHD1	DB6RCAPL2	—	CPLCRBC-BR	PSA59/6
	CATV - RG-6 18 AWG Solid CCS Quad Shield, Non Plenum	1189A	DB6U	CPLCRBC-BR	1694ABHD1	DB6RCAU	DB6BNCHD	CPLCRBC-BR	PSA59/6
	CATV - RG-6 18 AWG Solid CCS Quad Shield, Plenum	1189AP	DB6PL2	CPLCRBC-BR	1695ABHD1	DB6RCAPL2	—	CPLCRBC-BR	PSA59/6
	CATV - RG11 14 AWG Solid CCS Dual Shield, Non Plenum	1523A	716SNS1P11H	SNSUNI, L3011B, or CPLCCT-SS59/11	71SNS1P11H	—	FSNS11HBNC*	SNSUNI or CPLCCT-11BNC	PS-11
	CATV - RG11 14 AWG Solid CCS Dual Shield, Plenum	1523AP	716SNS1P11HPLA	CPLCCT-SS59/11	SNSUNI, L3011B, or CPLCCT-SS59/11	—	FSNSHBNCPLA*	SNSUNI or CPLCCT-11BNC	PS-11

* RG11 BNC Compression Connectors to 1.0 Gig

Video Display Solutions (continued)

CCTV Cable

	Description	Belden Part Number						
		Cable	Connectors F Compression	Connector Tool F Compression	4.5 Gig BNC Locking	BNC Compression	Connector Tool BNC Compression	Strip Tool
	CCTV - RG59 20 AWG Solid BC 95% Braid Shield Non Plenum	543945	DB59BNCU	CPLCRBC-BR	1505ABHD1	DB59BNC SL	CPLCRBC-BR	PSA59/6
	CCTV - RG59 20 AWG Solid BC 95% Braid Shield Plenum	643948	DB59PL2/4	CPLCRBC-BR	—	DB59BNCPL2/4	CPLCRBC-BR	PSA59/6
	CCTV - RG59 20 AWG Solid BC 95% Braid Shield + 18/2 Non Plenum	549945	DB59BNCU	CPLCRBC-BR	1505ABHD1	DB59BNC SL	CPLCRBC-BR	PSA59/6
	CCTV - RG59 20 AWG Solid BC 95% Braid Shield + 18/2 Plenum	649948	DB59PL2/4	CPLCRBC-BR	—	DB59BNCPL2/4	CPLCRBC-BR	PSA59/6
	CCTV - RG6 18 AWG Solid BC 95% Braid Shield Non Plenum	533945	DB6U	CPLCRBC-BR	1694ABHD1	DB6BNCU	CPLCRBC-BR	PSA59/6
	CCTV - RG6 18 AWG Solid BC 95% Braid Shield Plenum	633948	DB6PL2	CPLCRBC-BR	—	DB6BNCPL2	CPLCRBC-BR	PSA59/6
	CCTV - RG6 18 AWG Solid BC 95% Braid Shield + 18/2 Non Plenum	539945	DB6U	CPLCRBC-BR	1694ABHD1	DB6BNCU	CPLCRBC-BR	PSA59/6
	CCTV - RG6 18 AWG Solid BC 95% Braid Shield + 18/2 Plenum	639948	DB6PL2	CPLCRBC-BR	—	DB6BNCPL2	CPLCRBC-BR	PSA59/6

Wireless Cable

	Description	Belden Part Number					
		Cable	Connectors F Compression	Connector Tool F Compression	BNC Compression	Connector Tool BNC Compression	Strip Tool
	Wireless - RG58	8240	DB58UHF	—	DB58BNC	CPLCRBC-BR	PS59/6/RGB

Video Display Accessories


	Description	Belden Part Number
	Strain Relief Boot for RGB/Mini Coax	SLS-RGB
	Strain Relief Boot for RG-59 and RG-6	SLS-59/6

Commercial Automation and Control Solutions

Fiber Cabling and Connectors for Automation and Control

Description	Belden Part Number
For use in AV control systems: 4 fiber OM4 50/125 Multi-mode breakout style cable Non plenum	B9E006
For use in AV control systems: 4 fiber OM4 50/125 Multi-mode breakout style cable Plenum	B9E014
Brilliance SC FiberExpress Connector for 900 Micron Fiber	AX104246-S1
Brilliance FiberExpress Basic Termination Kit	AX104268
FO Patch Cord, Duplex Zip, 2.0mm, Riser, OM4 (50µm), LC Duplex/PC, Low Loss, 20m	FA200147
FO Patch Cord, Duplex Zip, 2.0mm, Riser, OM4 (50µm), LC Duplex/PC, Low Loss, 30m	FA200148
FO Patch Cord, Duplex Zip, 2.0mm, Riser, OM4 (50µm), LC Duplex/PC, Low Loss, 40m	FA200149
FO Patch Cord, Duplex Zip, 2.0mm, Riser, OM4 (50µm), LC Duplex/PC, Low Loss, 50m	FA200150
FO Patch Cord, Duplex Zip, 2.0mm, Riser, OM4 (50µm), LC Duplex/PC, Low Loss, 60m	FA200151


AMX™ and Crestron® Control Systems

	Description	Belden Part Number
	Custom Configured for AXLINK® and/or Crestron Control Systems - 22AWG 1 Pair, 18AWG 2 Conductor, CMR Rated	1502R
	Custom Configured for AXLINK® and/or Crestron Control Systems - 22AWG 1 Pair, 18AWG 2 Conductor, CMP Rated	1502P



Commercial Automation and Control Solutions (continued)


DMX® System

	Description	Belden Part Number	
		Non Plenum	Plenum
	24 AWG, 1 Pair DMX Cable	9841	82841
	22 AWG, 1 Pair DMX Cable	3105A	—
	24 AWG, 2 Pair DMX Cable	9842	82842
	22 AWG, 2 Pair DMX Cable	3107A	—


For DMX on Ethernet, see pages 10-13 for networking solutions.

Cable Management Solutions

Free Standing Enclosures


	Description (H x W x D)	Model	RU'S	Width (in)	Depth (in)	Belden Part Number	
	84" x 29" x 30" Black, 19" MTG, Vented top, Perf front & rear w/sides	XST	25,39,42,45	29	30	XST84-3-154420	
	84" x 29" x 34" Black, 19" MTG, Vented top, Perf front & rear w/sides	XDP	25,39,42,45	29	34	XDP84-3-154420	
	47u" x 19.9" x 24" Black, 19" MTG, Frame Only	XSF	10-48	19	36	XSF47-24-100000	
	45u" x 22" x 24" Black, 19" MTG, Vented top, Vented front and rear, flush mount sides	XMF	11-57	22	24,30,36,40	XMF45241222200	
	44u" x 22" x 26" Black, 19" MTG, Vented top, Solid rear, sides	XME	24-44	22	20,26.5	XME442620210	
	44u" x 22" x 36" Black, 19" MTG, Vented top, Perf front, perf rear, sides	XMER	24-44	22	26.5,31.5,36	XMER4436233200	

2 and 4 Post Racks

	Description (H x W x D)	Model	RU	Width (in)	Depth (in)	Screw	Type	Belden Part Number
	84" x 19" x 3" Channel Knock down	BHRR	45	19	—	12-24	Alum	BHRR194
	84" x 19" x 6" Channel Knock down	BHRR	45	19	—	12-24	Alum	BHRR6194
	84" x 23" x 3" Channel Knock down	BHRR	45	23	—	12-24	Alum	BHRR234
	84" x 19" x 3" Channel Knock down	XDR	44	19	—	12-24	Steel	XDR8419-312
	84" x 19" x 3" Channel Knock down	XDR	44	19	—	10-32	Steel	XDR8419-310
	84" x 19" x 3" Channel Welded	XDR	44	19	—	10/12	Steel	XDR8419-310W
	84" x 23" x 3" Channel Welded	XDR	44	23	—	10/12	Steel	XDR8423-31XW
	84" x 19" x 6" Channel Seismic	XDR	44	19	—	10-32	Steel	XDRS8419-610
	84" x 19" x 3" Channel 4 Post Knock down	XDR	44	19	24,28,32,36	10/12	Steel	XDR8419-3#XXX
	84" x 23" x 3" Channel 4 Post Knock down	XDR	44	23	24,28,32,36	10/12	Steel	XDR8423-31#XX


= Screw Size Variable 0=10-32, 2=12-24 Screw, Depth 24, 28, 32, 36

Vertical Cable Managers

	Description	Model	Width (in)	Depth (in)	Belden Part Number
	Single Sided Vertical organizer low density	BHVL	3.6, 6, 10, 12	8.75	BHVL0XX
	Single sided Vertical organizer high density	BHVH	3.6, 6, 10, 12	8.75	BHVH0XX
	Double sided Vertical organizer high/low density	BHVLH	3.6, 6, 10, 12	17.37	BHVLHXX
	Double sided Vertical organizer high/high density	BHVHH	3.6, 6, 10, 12	17.37	BHVHHXX

X = Width Variable 03=3.6", 06=6", 10=10", 12=12"

Wall Mount Enclosures

	Description (H x W)	Model	RU	Width (in)	Depth (in)	Belden Part Number
	24" x 19" Black Wall mount w/glass door	XWM	12	19	20, 24	XWM-24XX-GD-3
	24" x 19" Black Wall mount w/steel door	XWM	12	19	20, 24	XWM-24XX-SD-3
	36" x 19" Black Wall mount w/glass door	XWM	18	19	20, 24	XWM-36XX-GD-3
	36" x 19" Black Wall mount w/steel door	XWM	18	19	20, 24	XWM-36XX-SD-3
	48" x 19" Black Wall mount w/glass door	XWM	25	19	20, 24	XWM-48XX-GD-3
	48" x 19" Black Wall mount w/steel door	XWM	25	19	20, 24	XWM-48XX-SD-3

Depth Variable 20=20", 24=24"

Consult Belden Cable Management Catalog to access enclosure configuration matrix and accessories listing. NEMA compliant enclosures also available.

Networking Solutions – 10GX (TIA/EIA Category 6A LAN)

10GX KeyConnect Modular Jacks

Color	Belden Part Number
White	AX102282
Black	AX102283
Red	AX104153
Blue	AX104156
Purple	AX104157

A broad range of dark and pastel colors are also available

10GX KeyConnect Patch Panels

Description	Belden Part Number
KeyConnect, 24-Port, 1U*	AX103254
KeyConnect, 48-Port, 2U*	AX103256
AngleFlex, 24-Port, 1U**	AX103248
AngleFlex, 48-Port, 2U**	AX103249
KeyConnect, 24-Port, 1U**	AX103114
KeyConnect, 48-Port, 1U**	AX103121
KeyConnect, 48-Port, 2U**	AX103115

* Preloaded (Titanium); ** Modular patch panels

10GX Patch Cords (Bonded-Pairs CMR)

Description	Belden Part Number			
	Black	Blue	Purple	White
2 ft. (0.6 m)	CA21100002	CA21106002	CA21107002	CA21109002
4 ft. (1.2 m)	CA21100004	CA21106004	CA21107004	CA21109004
7 ft. (2.1 m)	CA21100007	CA21106007	CA21107007	CA21109007
10 ft. (3.0 m)	CA21100010	CA21106010	CA21107010	CA21109010
15 ft. (4.6 m)	CA21100015	CA21106015	CA21107015	CA21109015

Other lengths and colors available

10GX Horizontal Cables

Description	Belden Part Number				
	Bonded		Non-Bonded		
	Blue	White	Blue	White	Purple
10GX Solution - CMR	10GX32 0061000	10GX32 0091000	10GX12 0061000	10GX12 0091000	10GX12 0071000
10GX Solution - CMP	10GX33 D151000	10GX33 0091000	10GX13 D151000	10GX13 0091000	10GX13 0071000

Other colors available

10GX Pre-Terminated System

Cable Assembly*	KeyConnect Coupler Patch Panel (Preloaded)	Modular Coupler
CMR, Black CA21100xxxA06	24-port, 1U, Titanium AX104141	Black AX104024
CMP, Black CA22100xxxA06	48-port, 2U, Titanium AX104142	

* Use xxx to specify length in feet—006-050 ft in increments of 1 ft—055-265 ft in increments of 5 ft

KeyConnect Faceplates

Description	Belden Part Number		
	Elec. White*	Stainless Steel*	Stainless Steel**
1-Port, Single Gang	AX102660	—	AX102006
2-Port, Single Gang	AX102655	AX104231	AX102007
4-Port, Single Gang	AX102249	AX104232	AX102009
6-Port, Single Gang	AX102251	AX104233	AX102010
4-Port, Double Gang	—	AX104479	AX102011
6-Port, Double Gang	AX102671	AX104480	AX102012
Wall Mount Phone Plates	—	—	AX102005
Single-gang Back Box, 1.89 in.	AX102657	—	—
Double-gang Back Box, 1.89 in.	AX104131	—	—

Other configurations (i.e. numbers of ports) available; * With ID window; ** Without ID window




Networking Solutions – CAT6+ (TIA/EIA Category 6 LAN)

CAT6+ KeyConnect Modular Jacks

	Color	Belden Part Number
	White	AX101320
	Black	AX101321
	Red	AX104190
	Blue	AX104193
	Purple	AX104194


A broad range of dark and pastel colors are also available

CAT6+ KeyConnect Patch Panels

	Description	Belden Part Number
	KeyConnect, 24-Port, 1U*	AX103253
	KeyConnect, 48-Port, 2U*	AX103255
	AngleFlex, 24-Port, 1U**	AX103248
	AngleFlex, 48-Port, 2U**	AX103249
	KeyConnect, 24-Port, 1U**	AX103114
	KeyConnect, 48-Port, 1U**	AX103121
	KeyConnect, 48-Port, 2U**	AX103115


* Preloaded; ** Modular patch panels

CAT6+ Patch Cords (Bonded-Pairs CMR)

	Description	Belden Part Number			
		Black	Blue	Purple	White
	2 ft. (0.6 m)	C601100002	C601106002	C601107002	C601109002
	4 ft. (1.2 m)	C601100004	C601106004	C601107004	C601109004
	7 ft. (2.1 m)	C601100007	C601106007	C601107007	C601109007
	10 ft. (3.0 m)	C601100010	C601106010	C601107010	C601109010
	15 ft. (4.6 m)	C601100015	C601106015	C601107015	C601109015


Other lengths and colors available

CAT6+ Horizontal Cables

	Description	Bonded			Non-Bonded			
		Blue	White	Black	Blue	White	Purple	Black
	3600 Solution - CMR	3632 006A1000	3632 009A1000	3632 010A1000	3612 006A1000	3612 009A1000	3612 007A1000	3612 010A1000
	3600 Solution - CMP	3633 D15A1000	3633 009A1000	3633 010A1000	3613 D15A1000	3613 009A1000	3613 007A1000	3613 010A1000
	2400 Solution - CMR	1872A 006A1000	1872A 009A1000	1872A 010A1000	2412 006A1000	2412 009A1000	2412 007A1000	2412 010A1000
	2400 Solution - CMP	1874A D15A1000	1874A 009A1000	1874A 010A1000	2413 D15A1000	2413 009A1000	2413 007A1000	2413 010A1000
	Indoor/Outdoor Category 6 (CMR/CMX)	—	—	7940A	—	—	—	—
	Indoor/Outdoor Category 6 Shielded (CMR/CMX)	—	—	7953A	—	—	—	—


Other colors available

3600 Pre-Terminated System

	Cable Assembly*	KeyConnect Coupler Patch Panel (Preloaded)	Modular Coupler
	CMR, Black C601106xxxA06	24-port, 1U, Titanium AX104227	Black AX104215
	CMP, Black C602106xxxA06	48-port, 2U, Titanium AX104228	

* Use xxx to specify length in feet—006-050 ft in increments of 1 ft—055-265 ft in increments of 5 ft

KeyConnect Faceplates

	Description	Belden Part Number		
		Elec. White*	Stainless Steel*	Stainless Steel**
	1-Port, Single Gang	AX102660	—	AX102006
	2-Port, Single Gang	AX102655	AX104231	AX102007
	4-Port, Single Gang	AX102249	AX104232	AX102009
	6-Port, Single Gang	AX102251	AX104233	AX102010
	4-Port, Double Gang	—	AX104479	AX102011
	6-Port, Double Gang	AX102671	AX104480	AX102012
	12-Port, Double Gang	AX102257	AX104234	AX102013
	Wall Mount Phone Plates	—	—	AX102005
	Single-gang Back Box, 1.89 in.	AX102657	—	—
	Double-gang Back Box, 1.89 in.	AX104131	—	—

Other configurations (i.e. numbers of ports) available; * With ID window; ** Without ID window

Networking Solutions – CAT6+ (TIA/EIA Category 6 LAN) (continued)

CAT6+ Shielded Cabling System

Description	Belden Part Number				
	Metallic	Blue	Gray	White	Black
Belden DataTwist 2400, F/UTP, Non Plenum	—	1351A 0061000	1351A 0081000	1351A 0091000	—
Belden DataTwist 2400, F/UTP, Plenum	—	1352A 0061000	1352A 0081000	1351A 0091000	—
Shielded Modular Jack, Metallic	AX104596	—	—	—	—
Shielded Modular Patch Panel, 24-Port, 1U, Titanium (empty)	AX104563	—	—	—	—
Shielded Modular Patch Panel, 48-Port, 2U, Titanium (empty)	AX104564	—	—	—	—
2 ft (0.6m), Shielded Patch Cord, 4-Pair, T568A/B-T568A/B, Non Plenum	—	C6F1106002	C6F1108002	C6F1109002	C6F1100002
4 ft (1.2m), Shielded Patch Cord, 4-Pair, T568A/B-T568A/B, Non Plenum	—	C6F1106004	C6F1108004	C6F1109004	C6F1100004
7 ft (2.1m), Shielded Patch Cord, 4-Pair, T568A/B-T568A/B, Non Plenum	—	C6F1106007	C6F1108007	C6F1109007	C6F1100007
15 ft (4.6m), Shielded Patch Cord, 4-Pair, T568A/B-T568A/B, Non Plenum	—	C6F1106015	C6F1108015	C6F1109015	C6F1100015
25 ft (7.6m), Shielded Patch Cord, 4-Pair, T568A/B-T568A/B, Non Plenum	—	C6F1106025	C6F1108025	C6F1109025	C6F1100025
15 ft (4.6m), Shielded Pigtailed, 4-Pair, T568B-Open, Non Plenum	—	C6F1306015	C6F1308015	—	—
25 ft (7.6m), Shielded Pigtailed, 4-Pair, T568B-Open, Non Plenum	—	C6F1306025	C6F1308025	—	—

CAT6+ Accessories

Description	Belden Part Number
Connecting Tool	AX100749
Termination Station	AX101852
Release Tool	AX101185
Cable Preparation Tool	1797B
Patch Cord Tool	AX102775

Description	Belden Part Number
Velcro Cable Ties, 25 Per Roll, Black, 8 in	AX100783
Velcro Cable Ties, 25 Per Roll, Black, 12 in	AX100784
Wrap-Around Labels, Gray, 48 Labels/Sheet (25 sheets per pack)	AX101555
RJ45 Unshielded Plug	HIPMP-RJ45
Crimp and Strip Tool for RJ11 and RJ45	CPRJ11-45

Networking Solutions – CAT5E (TIA/EIA Category 5e LAN)

CAT5E KeyConnect Modular Jacks

Color	Belden Part Number
White	AX101309
Black	AX101310
Red	AX104183
Blue	AX104186
Purple	AX104187

A broad range of dark and pastel colors are also available

CAT5E KeyConnect Patch Panels

Description	Belden Part Number
HD-110, 24-Port, 1U*	AX103258
HD-110, 48-Port, 2U*	AX103259
AngleFlex, 24-Port, 1U**	AX103248
AngleFlex, 48-Port, 2U**	AX103249
KeyConnect, 24-Port, 1U**	AX103114
KeyConnect, 48-Port, 1U**	AX103121
KeyConnect, 48-Port, 2U**	AX103115

*Preloaded; **Modular patch panels

CAT5E Patch Cords (Bonded-Pairs CMR)

Description	Belden Part Number			
	Black	Blue	Purple	White
2 ft (0.6 m)	C501100002	C501106002	C501107002	C501109002
4 ft (1.2 m)	C501100004	C501106004	C501107004	C501109004
7 ft (2.1 m)	C501100007	C501106007	C501107007	C501109007
10 ft (3.0 m)	C501100010	C501106010	C501107010	C501109010
15 ft (4.6 m)	C501100015	C501106015	C501107015	C501109015

Other lengths and colors available

One Enterprise.
One Infrastructure.
One Partner.



Networking Solutions – CAT5E (TIA/EIA Category 5e LAN) (continued)

CAT5E Horizontal Cables

Description	Bonded			Non-Bonded			
	Blue	White	Black	Blue	White	Purple	Black
1200 Solution - CMR	1700A 006U1000	1700A 009U1000	—	1212 006U1000	1212 009U1000	1212 007U1000	—
1200 Solution - CMP	1701A D15U1000	1701A 009U1000	—	1213 D15U1000	1213 009U1000	1213 007U1000	—
Indoor/Outdoor Category 5e (CMR/CMX)	—	—	7918A	—	1594A	—	7923A
Indoor/Outdoor Category 5e (Waterblocked)	—	—	—	—	—	—	7934A
Indoor/Outdoor Category 5e Shielded (CMR/CMX)	—	—	—	—	—	—	7919A
Indoor/Outdoor Category 5e Shielded (Waterblocked)	—	—	—	—	—	—	7937A
Indoor/Outdoor Tactical Category 5e (Heavy Duty Jacket)	—	—	1304A	—	—	—	—
Indoor/Outdoor Tactical Category 5e (Upjacketed)	—	—	1305A	—	—	—	—

Other colors available

KeyConnect Faceplates

Description	Belden Part Number		
	Elec. White*	Stainless Steel*	Stainless Steel**
1-Port, Single Gang	AX102660	—	AX102006
2-Port, Single Gang	AX102655	AX104231	AX102007
4-Port, Single Gang	AX102249	AX104232	AX102009
6-Port, Single Gang	AX102251	AX104233	AX102010
4-Port, Double Gang	—	AX104479	AX102011
6-Port, Double Gang	AX102671	AX104480	AX102012
12-Port, Double Gang	AX102257	AX104234	AX102013
Wall Mount Phone Plates	—	—	AX102005
Single-gang Back Box, 1.89 in.	AX102657	—	—
Double-gang Back Box, 1.89 in.	AX104131	—	—

Other configurations (i.e. numbers of ports) available; * With ID window; ** Without ID window

CAT5E Shielded Cabling System

Description	Belden Part Number				
	Metallic	Blue	Gray	White	Black
Belden DataTwist 1200, F/UTP, Non Plenum	—	1212F 0061000	1212F 0081000	1212F 0091000	—
Belden DataTwist 1200, F/UTP, Plenum	—	1213F 0061000	1213F 0081000	1213F 0091000	—
Shielded Modular Jack, Metallic	AX104595	—	—	—	—
Shielded Modular Patch Panel, 24-Port, 1U, Titanium (empty)	AX104563	—	—	—	—
Shielded Modular Patch Panel, 48-Port, 2U, Titanium (empty)	AX104564	—	—	—	—
2 ft (.6m), Shielded Patch Cord, 4-Pair, T568A/B-T568A/B, Non Plenum	—	C5F1106002	C5F1108002	C5F1109002	C5F1100002
4 ft (1.2m), Shielded Patch Cord, 4-Pair, T568A/B-T568A/B, Non Plenum	—	C5F1106004	C5F1108004	C5F1109004	C5F1100004
7 ft (2.1m), Shielded Patch Cord, 4-Pair, T568A/B-T568A/B, Non Plenum	—	C5F1106007	C5F1108007	C5F1109007	C5F1100007
15 ft (4.6m), Shielded Patch Cord, 4-Pair, T568A/B-T568A/B, Non Plenum	—	C5F1106015	C5F1108015	C5F1109015	C5F1100015
25 ft (7.6m), Shielded Patch Cord, 4-Pair, T568A/B-T568A/B, Non Plenum	—	C5F1106025	C5F1108025	C5F1109025	C5F1100025
15 ft (4.6m), Shielded Pigtailed, 4-Pair, T568B-Open, Non Plenum	—	C5F1306015	C5F1308015	—	—
25 ft (7.6m), Shielded Pigtailed, 4-Pair, T568B-Open, Non Plenum	—	C5F1306025	C5F1308025	—	—

CAT5E Accessories

Description	Belden Part Number	Description	Belden Part Number
Connecting Tool	AX100749	Velcro Cable Ties, 25 Per Roll, Black, 8 in	AX100783
Termination Station	AX101852	Velcro Cable Ties, 25 Per Roll, Black, 12 in	AX100784
Release Tool	AX101185	Wrap-Around Labels, Gray, 48 Labels/Sheet (25 sheets per pack)	AX101555
Cable Preparation Tool	1797B	RJ45 Unshielded Plug	HIPMP-RJ45
Patch Cord Tool	AX102775	Field-installable Metal Body Ruggedized Plug (RJ45 UTP/STP T568A)	301601
		Field-installable Metal Body Ruggedized Plug (RJ45 UTP/STP T568B)	301602
		Crimp and Strip Tool for RJ11 and RJ45	CPRJ11-45

Networking Solutions – FiberExpress System

FiberExpress Brilliance Field-Installable Multimode Connectors

Description	Belden Part Number					
	Multimode, OM1, 62.5 μm		Multimode, OM2, 50 μm		Multimode, OM3 - OM4, 50 μm	
	1 per package	25 per package	1 per package	25 per package	1 per package	25 per package
LC 900 μm Tight Buffer	AX104240-S1	AX104240-B25	AX104241-S1	AX104241-B25	AX104242-S1	AX104242-B25
SC 900 μm Tight Buffer	AX104244-S1	AX104244-B25	AX104245-S1	AX104245-B25	AX104246-S1	AX104246-B25
ST 900 μm Tight Buffer	AX104248-S1	AX104248-B25	AX104249-S1	AX104249-B25	AX104250-S1	AX104250-B25
LC jacketed 2.0 mm *	AX104254-S1	AX104254-B25	AX104255-S1	AX104255-B25	AX104256-S1	AX104256-B25
SC jacketed 2.0 mm *	AX104258-S1	AX104258-B25	AX104259-S1	AX104259-B25	AX104260-S1	AX104260-B25
ST jacketed 2.0 mm *	AX104262-S1	AX104262-B25	AX104263-S1	AX104263-B25	AX104264-S1	AX104264-B25
3 mm jacketed boot, bag of 25	AX104577					

*The jacketed version includes a 2 mm boot. A separate part number is provided for the 3 mm boot.

FiberExpress Brilliance Field-Installable Single-mode Connectors

Description	Belden Part Number			
	Single-mode, OS2		Single-mode, OS2 - APC	
	1 per package	25 per package	1 per package	25 per package
LC 900 μm Tight Buffer	AX104243-S1	AX104243-B25	—	—
SC 900 μm Tight Buffer	AX104247-S1	AX104247-B25	AX104253-S1	AX104253-B25
ST 900 μm Tight Buffer	AX104251-S1	AX104251-B25	—	—
LC jacketed 2.0 mm *	AX104257-S1	AX104257-B25	—	—
SC jacketed 2.0 mm *	AX104261-S1	AX104261-B25	AX104467-S1	AX104467-B25
ST jacketed 2.0 mm *	AX104265-S1	AX104265-B25	—	—
3 mm jacketed boot, bag of 25	AX104577			

*The jacketed version includes a 2 mm boot. A separate part number is provided for the 3 mm boot.

FiberExpress Field Breakout Kit

Description	Belden Part Number
6 fibers, 1/pack	AX101100
12 fibers, 1/pack	AX101101

FiberExpress Accessories

Description	Belden Part Number
Field Installation Tool Kit	AX104270
Precision Installation Tool Kit	AX104271

FiberExpress Ultra Patch Panel Housings

Description	Belden Part Number
1U Patch Panel, Empty, Titanium	AX104681
2U Patch Panel, Empty, Titanium	AX104682
4U Patch Panel, Empty, Titanium	AX104683
Splice Housing Kit, 1U, 144 splices, Titanium	AX104684
FiberExpress Ultra HD Release Tool	AX104685

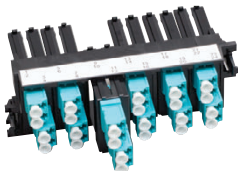
FiberExpress Ultra Pre-Terminated Cassettes

Description	Belden Part Number			
	Multimode, OM1, 62.5 μm	Multimode, OM3, 50 μm	Multimode, OM4 (Low Loss), 50 μm	Single-mode, OS2
LC Duplex - MPO (m), 12 fibers	AX103641	AX103713	AX103767	AX103821
LC Duplex with shutter - MPO (m), 12 fibers	AX103642	AX103714	—	AX103822
LC Duplex - MPO (m), 24 fibers	AX103657	AX103729	AX103783	AX103837
SC Duplex - MPO (m), 6 fibers	AX103620	AX103692	—	AX103800
SC Duplex with shutter - MPO (m), 6 fibers	AX103621	AX103693	—	AX103801
SC Duplex - MPO (m), 12 fibers	AX103639	AX103711	—	AX103819
ST - MPO (m), 6 fibers	AX103619	AX103691	—	AX103799
ST - MPO (m), 12 fibers	AX103638	AX103710	—	AX103818


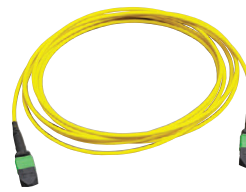


Networking Solutions – FiberExpress System (continued)

FiberExpress Ultra Frames

	Description	Belden Part Number				
		Multimode, OM1, 62.5 μm	Multimode, OM2, 50 μm	Multimode, OM3, 50 μm	Multimode, OM4 (Low Loss), 50 μm	Single-mode, OS2
	LC Duplex, 12 fibers	AX103408	AX103449	AX103449	AX103463	AX103502
	LC Duplex with shutter, 12 fibers	AX103409	AX103450	AX103450	AX103464	AX103503
	LC Duplex, 24 fibers	AX103424	AX103451	AX103451	AX103465	AX103519
	SC Duplex, 6 fibers	AX103385	—	AX103441	AX103455	AX103470
	SC Duplex with shutter, 6 fibers	AX103386	—	AX103442	AX103456	AX103471
	SC Duplex, 12 fibers	AX103406	—	AX103447	AX103461	AX103496
	ST, 6 fibers	—	AX103382		—	AX103467
	ST, 12 fibers	—	AX103403		—	AX1034937

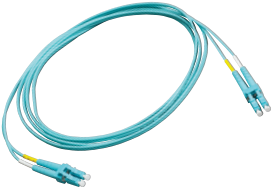
FiberExpress MPO Trunk Cables – 12 Fibers

	Description	Belden Part Number			
		Multimode, OM1, 62.5 μm	Multimode, OM3, 50 μm	Multimode, OM4 (Low Loss), 50 μm	Single-mode, OS2
Type "C" MPO 568-C.3 Cross-Over, Mini-distribution cable (round cable)					
	MPO (F) - MPO (F), 12 fibers, 3 m	FA600135	FA600149	FA600163	FA600177
	MPO (F) - MPO (F), 12 fibers, 5 m	FA600136	FA600150	FA600164	FA600178
	MPO (F) - MPO (F), 12 fibers, 10 m	FA600137	FA600151	FA600165	FA600179
	MPO (F) - MPO (F), 12 fibers, 15 m	FA600138	FA600152	FA600166	FA600180
	MPO (F) - MPO (F), 12 fibers, 20 m	FA600139	FA600153	FA600167	FA600181
	MPO (F) - MPO (F), 12 fibers, 25 m	FA600140	FA600154	FA600168	FA600182
	MPO (F) - MPO (F), 12 fibers, 30 m	FA600141	FA600155	FA600169	FA600183
	MPO (F) - MPO (F), 12 fibers, 40 m	FA600142	FA600156	FA600170	FA600184
	MPO (F) - MPO (F), 12 fibers, 50 m	FA600143	FA600157	FA600171	FA600185
	MPO (F) - MPO (F), 12 fibers, 60 m	FA600144	FA600158	FA600172	FA600186
	MPO (F) - MPO (F), 12 fibers, 70 m	FA600145	FA600159	FA600173	FA600187
	MPO (F) - MPO (F), 12 fibers, 80 m	FA600146	FA600160	FA600174	FA600188
	MPO (F) - MPO (F), 12 fibers, 90 m	FA600147	FA600161	FA600175	FA600189
	MPO (F) - MPO (F), 12 fibers, 100 m	FA600148	FA600162	FA600176	FA600190
	Type "A" MPO 568-C.3 Straight, Mini-distribution cable (round cable)				
	MPO (F) - MPO (F), 12 fibers, 3 m	FA600191	FA600205	FA600219	FA600233
	MPO (F) - MPO (F), 12 fibers, 5 m	FA600192	FA600206	FA600220	FA600234
	MPO (F) - MPO (F), 12 fibers, 10 m	FA600193	FA600207	FA600221	FA600235
	MPO (F) - MPO (F), 12 fibers, 15 m	FA600194	FA600208	FA600222	FA600236
	MPO (F) - MPO (F), 12 fibers, 20 m	FA600195	FA600209	FA600223	FA600237
	MPO (F) - MPO (F), 12 fibers, 25 m	FA600196	FA600210	FA600224	FA600238
	MPO (F) - MPO (F), 12 fibers, 30 m	FA600197	FA600211	FA600225	FA600239
	MPO (F) - MPO (F), 12 fibers, 40 m	FA600198	FA600212	FA600226	FA600240
	MPO (F) - MPO (F), 12 fibers, 50 m	FA600199	FA600213	FA600227	FA600241
	MPO (F) - MPO (F), 12 fibers, 60 m	FA600200	FA600214	FA600228	FA600242
	MPO (F) - MPO (F), 12 fibers, 70 m	FA600201	FA600215	FA600229	FA600243
	MPO (F) - MPO (F), 12 fibers, 80 m	FA600202	FA600216	FA600230	FA600244
	MPO (F) - MPO (F), 12 fibers, 90 m	FA600203	FA600217	FA600231	FA600245
	MPO (F) - MPO (F), 12 fibers, 100 m	FA600204	FA600218	FA600232	FA600246

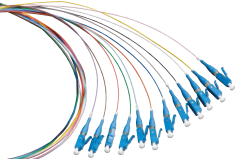
Part numbers listed for most popular MPO Trunk Cables - 12 fibers.

Networking Solutions – FiberExpress System (continued)

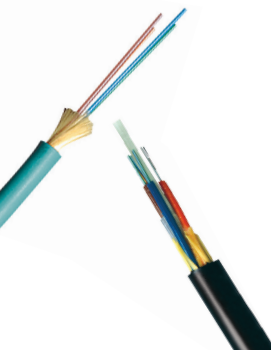
FiberExpress Patch Cords

	Description	Belden Part Number					
		Multimode, OM1, 62.5 µm	Multimode, OM2, 50 µm	Multimode, OM3, 50 µm	Multimode, OM4 (Low Loss), 50 µm	Single-mode, OS2-UPC	Single-mode, OS2-APC
	LC Duplex - LC Duplex, OFNR-Riser, 2 m (6 ft), Duplex Zip Cord 2.0 mm	AX200517	AX200527	AX200664	AX104647	AX200507	AX203910
	LC Duplex - LC Duplex, OFNR-Riser, 3 m (10 ft), Duplex Zip Cord 2.0 mm	AX200518	AX200528	AX200665	AX104648	AX200508	AX203911
	LC Duplex - LC Duplex, OFNR-Riser, 5 m (16 ft), Duplex Zip Cord 2.0 mm	AX200519	AX200529	AX200666	AX104649	AX200509	AX203912
	SC Duplex - SC Duplex, OFNR-Riser, 2 m (6 ft), Duplex Zip Cord 3.0 mm	AX200056	AX200084	AX200603	—	AX203908	AX202902
	SC Duplex - SC Duplex, OFNR-Riser, 3 m (10 ft), Duplex Zip Cord 3.0 mm	AX200057	AX200082	AX200589	—	AX202523	AX203870
	SC Duplex - SC Duplex, OFNR-Riser, 5 m (16 ft), Duplex Zip Cord 3.0 mm	AX200058	AX200280	AX200624	—	AX203909	AX202835
	ST - ST 2 m (6 ft), Duplex Zip Cord, OFNR-Riser, 3.0 mm	70102419	AX200341	AX200799	—	AX200200	—
	ST - ST 3 m (10 ft), Duplex Zip Cord, OFNR-Riser, 3.0 mm	70102420	AX200459	AX200795	—	AX202089	—
	ST - ST 5 m (16 ft), Duplex Zip Cord, OFNR-Riser, 3.0 mm	70102447	AX200413	AX200800	—	AX200234	—

FiberExpress Color-Coded Pigtail Kits

	Description	Belden Part Number			
		Multimode, OM1, 62.5 µm	Multimode, OM3, 50 µm	Multimode, OM4 (Low Loss), 50 µm	Single-mode, OS2 - UPC
	LC Color-Coded Pigtail Kit 12 fibers 2 m (6 ft) long	AX104651	AX104555	AX104655	AX104557
	SC Color-Coded Pigtail Kit 12 fibers 2 m (6 ft) long	AX104652	AX104556	—	AX104558
	ST Color-Coded Pigtail Kit 12 fibers 2 m (6 ft) long	AX104653	AX104654	—	AX104656

FiberExpress Cables

			Belden Part Number							
			2 fibers	6 fibers	12 fibers	24 fibers	48 fibers	96 fibers	144 fibers	
Indoor	Interconnect	Riser	B96915	—	—	—	—	—	—	
		Plenum	B96919	—	—	—	—	—	—	
Indoor	Distribution Tight buffer	Riser	B9X037	B9X039	B9X042	B9X601	B9X606	B9X622	B9X619	
		Plenum	B9X043	B9X045	B9X048	B9X611	B9X616	B9X623	B9X621	
	Breakout 2.0mm units	Riser	B9X005	B9X007	B9X010	B9X012	—	—	—	
		Plenum	B9X013	B9X015	B9X018	B9X020	—	—	—	
	Interlocked Armor Dist.	Riser	—	B9X230	B9X231	B9X232	B9X235	B9X237	B9X238	
		Plenum	—	B9X240	B9X241	B9X242	B9X245	B9X247	B9X248	
Outdoor	Loose Tube	Riser	—	B9X510T	B9X511T	B9X500T	B9X505T	B9X513T	B9X509T	
Indoor / Outdoor	Tight buffer	Riser	B9X037T	B9X039T	B9X042T	B9X601T	B9X606T	—	—	
		Plenum	B9X043T	B9X045T	B9X048T	B9X611T	B9X616T	—	—	
	Loose Tube	Riser	—	B9X810	B9X811	B9X812	B9X814	B9X816	B9X817	
		Plenum	—	B9X202	B9X204	B9X205	B9X207	B9X211	B9X215	

Other Fiber Counts are available; See our full line up in our Belden Optical Fiber Catalog

Where X is replaced by:

OM1	OM2	OM3	OM4	Single-mode
B	A	C	E	W

Other connector and adapter types are available
Other patch cord combinations and lengths are available




GarrettCom Networking Solutions

Switches

	Description	GarrettCom Part Number
	<p>Magnum Premium-rated S14 Convenient Switch, four 10/100 RJ45 ports in a compact package, rated -40°C to 75°C for temperature uncontrolled environments such as outdoors. Internal 24VDC (range 18V to 36V) power supply and metal panel mounting brackets included.</p>	<p>S14</p>
	<p>Magnum Premium-rated CS14 Converter Switch, one 100Mb multi-mode SC fiber port and two 10/100 RJ45 switch ports with auto-cross and auto-negotiating support. Two sets of LEDs for viewing from any direction. Compact package, rated for temperature uncontrolled environments such as outdoors. Internal 24VDC (range 18V to 36V) power supply with extended temperature range (-40°C to 75°C). Metal panel mounting brackets included.</p>	<p>CS14</p>
	<p>Magnum Premium-rated ES42 Edge Switch with two SC-type 100Mb fiber ports and four 10/100 RJ-45 switch ports with auto-cross and auto-negotiating support. Alarm contact for power monitoring. The two fiber ports support LLL for use in self-healing redundant LANs. Two sets of LEDs for viewing from any direction. Compact package, rated for temperature uncontrolled environments such as outdoors. Internal 12VDC (range 8V to 15V) power supply with extended temperature range (-40°C to +75°C). Includes external AC Magnum Premium-rated power supply into 12VDC jack. Supports dual source (DC and AC via jack) power input. Metal panel mounting brackets included.</p>	<p>ES42</p>
	<p>The IPS42-AC chassis provides an internal AC power supply for an ES42-series PoE switch, all in a hardened package. See the PES42P model for functional capability.</p>	<p>IPS42</p>
	<p>Magnum 6-port PES42 Premium-rated PoE Power-Sourcing Edge Switch with four 10/100 RJ-45 PoE ports and two regular RJ-45 10/100 ports with auto-cross and auto-negotiating support. Alarm contact for power monitoring, 48VDC terminal block for power input. The two regular RJ-45 ports support LLL for use in self-healing redundant LANs. Two sets of LEDs for viewing from any direction. Compact industrial-grade metal package, rated for temperature uncontrolled environments such as outdoors. All 4 PoE ports support Power Source per IEEE 802.3af standard. Metal panel mounting brackets included. DIN-Rail mounting hardware optional.</p>	<p>PES42</p>
<p>Most Popular!</p> 	<p>Magnum 6KL Configurable Managed Edge Switch, base unit with four 10/100 copper ports. 24VDC power supply. May be configured with a variety of 10/100/1000Mb fiber and copper ports in Slots B and C. 10 ports max. Heavy duty metal case, IP52 for environmental protection, no fans. Includes two Alarm Contacts (1 PWR, 1 software controlled), metal bracket for vertical wall or panel mounting, DIN-Rail optional. For licensed network management software information (MNS-6K, MNS-6K-SECURE, S-Ring), see their respective data sheets.</p>	<p>6KL</p>
	<p>Magnum 6KQ Configurable Managed Field Switch, base unit with -48VDC power supply and four 10/100 copper ports are PoE-enabled, data pairs. May be factory-configured with a variety of 10/100/1000 Mb fiber and copper port connector types via selection from a family of 6KQ port modules per the 6KQ Configuration Guide. 16 ports max. Heavy duty fully enclosed aluminum case designed with ribbed surface for max heat dissipation, used as a heat sink, rated IP52 for environmental protection, no fans. Dual LEDs for all-around status viewing. Includes two Alarm Contacts (1 PWR, 1 software controlled), metal bracket for vertical wall or panel mounting, DIN-Rail optional. Wire speed filtering and forwarding across all ports. For licensed network management software information (MNS-6K, S-Ring, Dual-Homing, IGMP-L2, Security, etc.), see their respective data sheets.</p>	<p>6KQ</p>
	<p>Magnum 6K32TRC "Reverse" rack-mount Convection-cooled Managed Switch, base unit with 16 fixed 10/100 copper ports and two port module slots. The port module slots may be configured with a selection of 10/100/1000 6K fiber and copper port connector types, 32 total ports max. Wire speed filtering and forwarding across all ports, 802.3x flow control, 802.1p priority packet processing, self-learning 4K-node address table, large 240KB packet buffers for 10/100 and 120KB for 1000Mb. Plug-and-play switching services, front-mounted LEDs and also port-side LEDs for status viewing from either side, internal -48VDC (36-70VDC range) power supply, 19" rack-mounting brackets.</p>	<p>6K32</p>

Routers

	Description	GarrettCom Part Number
	<p>DX940 Configurable Router base unit with four 100Mb SFP Ethernet ports in slot B. Includes 90 - 250V DC / AC power supply, panel mounting. Includes IP routing, Ethernet switching and secure management. MNS-DX software license included. Software includes IP Routing, per VLAN Routing, ICMP, ARP, Diffserv, Port Security, event logging and alarms, and more. Web-based GUI and CLI via Telnet. Choose from a selection of hardened 100Mb SFPs.</p>	<p>DX940</p>


Visit www.garrettcom.com for more information on product colors, sizes and other options. Or contact your local Belden representative. All products interoperable with commercial Ethernet products.

Telecast Fiber Solutions

Camera Interfaces

	Description	Telecast Part Number
	Camera-Mountable Fiber Optic System for Multi-Camera Production. A compact, snap-on fiber optic transceiver dual-purposes any camcorder for multi-camera studio use. The system transports uncompressed HD/SDI camera video, as well as all two-way camera control, audio, video, data, tally/call and intercom signals between the camera and the base station. Uses tactical or hybrid fiber cable.	CopperHead 3200
	Fiber Optic Camera Transceiver for Live ENG/SNG Newsgathering. A compact, snap-on fiber optic transceiver gets live HD/SDI from the camera to the live truck, plus return video, IFB, Ethernet, and intercom, all on a single mil-spec tactical fiber optic cable. Eliminates distance limitations, reduces weight and deployment time for fast, live newsgathering.	CopperHead 3050
	Fiber Optic Camera Transceiver for Live, Big-Screen Applications. A cost-effective camera-mountable fiber optic transceiver links camcorders to a control room or flypack. Delivering uncompressed HD/SDI from the camera, the system also permits full camera control, intercom and tally, all on single mil-spec tactical fiber optic cable, or SMPTE hybrid fiber for locations where local power isn't available.	CopperHead Pro
	Camera-Mountable Fiber Optic Link for 3D, Dual-Link, and High-Speed Production. A compact snap-on fiber optic transceiver sends three HD/SDI signals from the 3D camera rig to the base station, as well as signals for control of two cameras, 3D rig control, audio, return video, data, tally/call and intercom signals, all on a single tactical or hybrid fiber cable.	CopperHead 3400
	SMPTE Hybrid Elimination Device. Eliminates SMPTE hybrid cable in HD camera chains, permitting use of ordinary single mode fiber for camera-to-CCU connectivity. Camera links can be extended on facility infrastructure fiber, or with industry standard mil-spec, tactical fiber in the field, using standard ST fiber connectors.	SHED/HDX
	Portable Fiber Optic Broadcast Production Link. Robust field-deployable fiber optic link. Moves four analog or HD digital videos, eight audios, Ethernet, intercom, data and tally over a single mil-spec fiber cable. Internal swappable modules include interfaces for HD/SDI, analog and digital audio, and Ethernet.	Viper I Mussel Shell & Sidewinder
	Digital Triax-to-Fiber Camera Interface. Fiber Optic Triax Extender for most popular triax-based camera systems, including Sony, Thomson and Ikegami. Converts triax camera interface to fiber optics for long distances and pre-cabling of venues and facilities. Allows camera placement up to 20 km away from base station.	Cobra D
	Extend Sony's new HD digital triax camera chains (HXC100 & HSC300) over durable, lightweight tactical fiber or within an installed fiber optic infrastructure. Separate camera from their CCUs around a building, across a campus, or even 20 km across town using metropolitan "dark fiber." Use two strands of fiber per camera, or mux eight cameras onto a single strand with TelePort™.	Cobra ZDT

Robotic Camera Interfaces









	Description	Telecast Part Number
	Fiber Optic Links Remote Robotic Camera Interface. Allows placement of HD/SDI robotic cameras at great distances from their controllers. Link lengths can exceed 20 km, with full camera control, genlock, and tally, all on infrastructure fiber, tactical fiber cable or hybrid fiber cable when power is needed at the camera and PTZ head.	T-POV

Visit www.telecast-fiber.com for more information on product colors, sizes and other options.







Telecast Fiber Solutions (continued)

Video Transport

	Description	Telecast Part Number
	<p>Mini Fiber Optic HD/SDI Link. Miniature fiber optic digital video transmission modules offer a broad range of digital formats (HD/SDI, SDI, DVB, ASI, AES Audio) while maintaining the highest possible signal quality. Compact, low power consumption, long distance capability.</p>	<p>Rattler</p>
	<p>Modular Mini Fiber Optic HD/SDI Link. Modular mini fiber links can be field-configured as fiber transmitters, receivers, repeaters, or coax equalizers. Transports digital video up to 3 Gbps. Features long distance, low power consumption, highest quality.</p>	<p>Rattler 3G</p>
	<p>The 1RU Python II converts up to 16 channels of HD/SDI to fiber for transport over individual fiber strands for each signal, or multiplexed onto a single strand. Each unit can act as a transmitter, receiver, or bi-directional transceiver.</p>	<p>Python 3G</p>
	<p>Makes CWDM multiplexing easy by combining up to 16 fiber optic paths onto a single fiber optic strand without complicated laser-specific devices. Reduces cable costs and maximizes the bandwidth of fiber optic cables, enabling up to 48 Gbps per strand. Modular flexibility insures configurations for any application.</p>	<p>TelePort 3G</p>
	<p>Combine 4 bi-directional HD/SDI signals (up to 3 Gb/s each) and 4 bi-directional fiber paths onto one or two strands of fiber. The fiber paths can be used for any digital optical signal up to 3 Gb/s, such as HD/SDI cameras using SHEDs or CopperHeads, Adder II audio multiplexors, or Diamondback II video multiplexors.</p>	<p>Telethon 3G</p>
	<p>Four-by-four bi-directional analog video and Ethernet link with optional audio interface. Bi-directional link multiplexes four channels of analog video each way. Includes a 10/100 Ethernet link, as well as an interface for Adder II audio links for 32 channels of audio each way.</p>	<p>DiamondBack 4x4</p>
	<p>Low-cost TDM multiplexor enables transmission of 8 broadcast-quality analog video signals onto one-fiber/wavelength in one direction.</p>	<p>DiamondBack 8</p>
	<p>Bidirectional 3Gb/s HD/SDI fiber transceiver with fiber optic (ST) and copper (BNC) inputs, as well as a fiber optic output (ST) and a six copper (BNC) distribution amplifier outputs. Four modes include 1) fiber transmitter and HD/SDI with six copper BNC outputs 2) fiber optic "Tap/Drop" repeater with six copper BNC outputs 3) fiber transceiver with six-output BNC tap, 4) Fiber transmitter and HD/SDI video D.A.</p>	<p>Terrapin</p>

Audio Transport

	Description	Telecast Part Number
	<p>Audio Multiplexer with Intercom and DataModular. A two fiber system that transports up to 64 channels of two-way broadcast-quality analog or AES audio, eight intercom channels (RTS, Clear-Com, 4-wire), RS232/422/485 data and GPIs. Features outstanding signal-to-noise, with remote or local control of mic gain and phantom power settings.</p>	<p>Adder II</p>
	<p>Compact 1RU fiber link transports up to 80 channels of audio, intercom, and data over just one or two strands of fiber. Cost-effective, scalable and configurable in ten eight-channel blocks. Use the 1RU frame, or add rows of 16 XLR and DB9 connectors for traditional audio, intercom, and data connectivity.</p>	<p>Thunder</p>
	<p>A one-strand fiber-optic link carrying two channels of "production intercom" over distances to 30km. Compatible with RTS and Clear-Com party line (TW) and digital matrix (4W) intercom systems, with full matrix-station functionality, and auto-nulling in TW mode.</p>	<p>TR6442i CommLink</p>
	<p>Viper II Modules: Eight Channels Analog Audio. Low-cost fiber link that efficiently multiplexes and transmits eight channels of analog audio on to one fiber, with a signal to noise level greater than 100 dB. The module set supports line level audio input and output, and provides more than 20 kHz of audio frequency response with extremely low distortion.</p>	<p>Viper II 6080</p>

Visit www.telecast-fiber.com for more information on product colors, sizes and other options.

Telecast Fiber Solutions (continued)

Modular Platform for Digital and Analog Production







	Description	Telecast Part Number
	<p>Modular System of Fiber Links for Studio or Field. A family of compact modular fiber optic links for rack mounting or "throw down" stand alone applications. Modules include single and multichannel HD/SDI, analog/digital audio and video, data, CWDM, and more.</p>	<p>Viper II Family</p>
	<p>Viper II Modules: HD/SDI Link (bi-directional). Transport any format of digital video or audio over a strand of fiber, with multiple outputs at each end of the link. Built in alpha-numeric display shows system status and diagnostics. "Throw down" or rack mount in Viper II frame.</p>	<p>Viper II 6292</p>
	<p>Viper II Modules: HD/SDI Link (bi-directional). Transport any format of digital video or audio over a strand of fiber, with multiple outputs at each end of the link. Built in alpha-numeric display shows system status and diagnostics. "Throw down" or rack mount in Viper II frame.</p>	<p>Viper II TR 6292</p>
	<p>Viper II Modules: Analog Video and Audio. Transmits analog video plus data and four channels of audio on one fiber, maintaining broadcast quality over a 26Km link (nominal). Supports both PAL and NTSC video formats, and provides greater than 10 MHz of video bandwidth.</p>	<p>Viper II 5142</p>
	<p>Viper II Modules: Ethernet. Moves Ethernet over fiber. Choose between 10/100 (TR5900) or Gig-E (TR5950). Available in single fiber or dual fiber models. Can use CWDM to multiplex with other modules (video, audio, data, etc.) for maximum signal capacity on minimum fibers.</p>	<p>Viper II 5900/5950</p>
	<p>Viper II Modules: SDI and AES Audio. Long distance transport of SDI and AES on a single fiber strand. Alphanumeric status display for easy diagnostics. Perfect for Studio/Transmitter Links.</p>	<p>Viper II 6269</p>
	<p>Viper II Modules: WDM and CWDM. Coarse Wave mux/demux set can be rack mount modules to fit our Viper II frame, or stand-alone as "throw downs". Modules come in two, four, and eight-channel versions to reduce fiber count and increase fiber bandwidth.</p>	<p>Viper II CWDM</p>

Visit www.telecast-fiber.com for more information on product colors, sizes and other options.






Telecast Fiber Solutions (continued)

Thor Extenders Family

	Description	Telecast Part Number
	<p>DVI and KVM Video Extenders. Transmits DVI signals with resolutions up to 1920 x 1200 or 2048 x 1152 on fiber or Category 5 cable over distances up to 10km. Simultaneously transmits USB HID, USB 2.0, analog or digital audio and serial data signals.</p>	<p>Thor-E</p>
	<p>Uncompressed CATx / Fiber Optics Extender. Extend uncompressed DVI-D (max 2560 x 2048 Duallink) over distances up to 400 meters. Use Category 5/6 cable for shorter runs or fiber for maximum distance. Carries USB 2.0 or HID for KVM extension.</p>	<p>Thor-EU</p>
	<p>Analog Video Display Converters and Extenders. Convert analog video to DVI-D to display legacy sources on new flat panel displays with DVI inputs. Accepts VGA, RGB, S-Video, and others. Automatically detects all known VGA resolutions up to 1920 x 1200 and converts them to DVI signals, with built-in scaler with on-screen menu.</p>	<p>Thor C</p>
	<p>The Thor DE provides a quick and easy solution for connecting DVI sources to displays over just one fiber – either multimode or single-mode fiber using an SC optical connector. Extends all VESA resolutions up to 1920 x 1200, at distances up to 1,000 meters. The self-programming function captures the display's EDID data and stores it in the transmitter. Each unit operates on a compact 5VDC adapter.</p>	<p>Thor-DE</p>
	<p>THOR HE offers extremely long-distance extension of uncompressed digital video, HDMI 1.3a and audio, up to 1000 meters (3280 feet) over just one single-mode fiber using an SC optical connector. The THOR HE consists of transmitter and receiver pair which are designed to multiplex and de-multiplex the HD video. It includes a self-EDID programming feature detecting from the display and storing EDID information to an EEPROM in the transmitter and High Definition Copy Protection (HDCP).</p>	<p>Thor-HE-1F</p>
	<p>The Thor-HE HDMI Extender is an affordable solution for connecting equipment using the high definition, HDMI signal. The Thor-HE stretches your HDMI connectivity, offering the benefit of detachable cabling, with four (4) LC fiber connectors and a Cat 5e/6 connector. The Thor-HE HDMI kit consists of transmitter and receiver modules with female HDMI connector. A four strand, multimode fiber cable with LC connectors provides 1080P operation and a Cat 5e/6 cable enables the unit to manage power and EDID/HDCP.</p>	<p>Thor-HE-4F</p>

Thor KVM Switchers Family

	Description	Telecast Part Number
	<p>Computer Display Multiplexor Repeater, Crosspoint Switcher. Mix and switch eight video sources and display devices. Show a single computer display on seven monitors, or switch seven video sources onto a single monitor. Supports DVI-D, audio and USB/HID - Human Interface Device - such as touch screens, graphics tablets, barcode readers.</p>	<p>Thor-SSM</p>
	<p>Computer Display Multiplexor Repeater, Crosspoint Switcher. Switch a computer display network of up to 32 CPUs and 16 workstation/consoles. Available as 8 x 8 or 32 x 16. Supports resolutions up to 2560 x 2048 (dual-link DVI). Separate your components up to 10 km using single mode fiber.</p>	<p>Thor-SLG</p>
	<p>The Thor-SXL is a Mission Critical, Enterprise-Level Switch for HD Video, DVI and KVM signals that can be configured for up to 288 I/O's. Telecast's FlexPort technology provides dynamic configuration, with any port functioning as an input or an output. This exclusive feature allows the facility manager to reconfigure the switch to meet changing requirements. The non-blocking switch design handles digital video resolutions up to 2560 x 1600 @60hz, USB 2.0, bidirectional audio, and serial data interfaces. The flexible architecture supports Cat 5e/6, Multimode and Single-mode fiber.</p>	<p>Thor-SXL</p>

Visit www.telecast-fiber.com for more information on product colors, sizes and other options.

Recommended Transmission Distance at Serial Digital Data Rates

Data Rate:	143 Mb/s		177 Mb/s		270 Mb/s		360 Mb/s		1.5 Gb/s		3.0 Gb/s	
Spec:	SMPTE 259M		ITU-R BT. 601		SMPTE 259M		SMPTE 259M		SMPTE 292M		SMPTE 424M	
Cable Part Number	Composite SD-SDI (NTSC)		Composite SD-SDI (PAL)		Component SD-SDI		Widescreen SD-SDI		HD-SDI		1080p/50-60 3G-SDI	
	Ft.	m	Ft.	m	Ft.	m	Ft.	m	Ft.	m	Ft.	m
179DT	542	165	498	152	416	127	362	110	115	35	81	25
1865A*	686	209	627	191	517	158	446	136	134	41	90	27
1855P	986	301	904	276	746	227	640	195	190	58	125	38
1855A	1022	312	932	284	781	238	680	207	215	66	149	45
1505F	1173	358	1060	323	858	262	732	223	220	67	147	45
1506A***	1354	413	1243	379	1030	314	887	270	265	81	177	54
1694F	1460	445	1312	400	1066	325	916	279	280	85	189	58
1505A**	1440	439	1317	401	1105	337	958	292	304	93	210	64
1695A	1706	520	1566	477	1276	389	1104	337	322	98	211	64
1694WB****	1733	528	1597	487	1333	406	1161	354	363	111	249	76
1694A****	1791	546	1650	503	1371	418	1188	362	371	113	256	78
1694D	1791	546	1650	503	1371	418	1188	362	371	113	256	78
7732A	2575	785	2335	712	1929	588	1638	499	451	137	283	86
1794A	2276	694	2078	633	1746	532	1510	460	469	143	320	98
7731A	2791	851	2613	796	2146	654	1871	570	580	177	393	120

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 recommended 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: SMPTE 259M, PAL, Widescreen. Maximum length = 20 dB loss at 1/2 the clock frequency: SMPTE 292M and SMPTE 424M.**

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. Distribution and routing equipment manufacturers should be contacted to verify their maximum recommended transmission.

- * Includes cables that use 1855A as a constituent, such as 7787A, 7788A, 7789A, 7790A, 7791A, 7792A, 1855S3, 1855S5, 1855S6
- ** Includes cables that use 1505A as a constituent, such as 7794A, 7795A, 7796A, 7798A, 1505S3, 1505S5, 1505S6
- *** Includes cables that use 1506A as a constituent, such as 1283S3, 1283S5, 1283S6
- **** Includes cables that use 1694A as a constituent, such as 7710A, 7711A, 7712A, 7713A, 1694S3, 1694S5, 1694S6, 1694WB, 1694D

Return Loss Headroom (1694A)

