

BROADCAST & AV CATALOG

Product Solutions for Broadcasters, Integrators, Contractors and End-Users





Our Locations

From our humble roots in Milwaukee, Wisconsin in 1962, IEWC has quickly expanded to a global network. All IEWC facilities are ISO 9001 registered.

Contact your local IEWC sales office to discover which connectivity solutions we can bring to your business.

UNITED STATES

Cleveland, OH

440-835-5601
800-321-5601

Dallas, TX

972-801-9787
800-474-9984 F:
972-801-9789

El Paso, TX

915-773-2951

Greenville, SC

864-234-5322
800-480-5322 F:
864-234-1020

Milwaukee, WI

262-782-2255
800-966-6325 F:
262-782-2821

Phoenix, AZ

480-922-6900
800-989-9502 F:
480-922-0346

San Francisco, CA

925-939-3600
866-472-9473 F:
925-686-4371

Seattle, WA

425-286-1900 F:
425-286-1919

CANADA

Calgary, AB

403-215-6770
800-649-7916

Montreal, QC

514-956-5877

Toronto, ON

905-726-1717
866-303-6596

CHINA

Hong Kong

+86 512 6275 6668
800-828-2086
F: +86 512 6275 6663

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Tel-Aviv

+972-(0)54-2809111

MEXICO

Aguascalientes

+52 449 922 1200
800-439-2100
F: +52 449 146 4294

Monterrey

+52 449 922 1200
800-439-2100
F: +52 449 146 4294

UNITED KINGDOM

Buckinghamshire*

+44 0 1844 202101
F: +44 0 1844 202025

Weston-super-Mare

+44 870 609 1257
F: +44 870 609 1258

**denotes Argosy Components Limited location*

Our Suppliers

IWC recognizes the importance of signal integrity and infrastructure reliability. We therefore partner exclusively with manufacturers that have demonstrated the ability to produce high quality, (and again) reliable products. Below is just a small sample of the vendors available to our organization. If you need a name not listed, just ask!



- | | | |
|--------------------------|-------------------------------|--------------------------------|
| 3M | Deca Cables | Milestone AV |
| Access 8 | Electro Cables | MSE Audio |
| Aerospace Wire & Cable | Energizer | MultiDyne |
| AFL Telecommunications | Energy Transformation Systems | Pan Pacific |
| AJA Video Systems | Fiber Connections Limited | Panduit |
| Alpha Wire | FSR Inc. | Planar Systems |
| Amphenol RF | Gefen | Platinum Tools |
| Argosy | General Wire Products | Prysmian |
| Artel Video Systems | Grass Valley | Quabbin Wire & Cable |
| Blackmagic Design | Greenlee Textron | Radio Design Labs |
| Blue Jeans Cable | Hall Telecommunications | Rapco Professional Sound |
| Bosch Security Systems | Harman | RF Industries |
| Cable Exchange | Hellermann Tyton | Riedel Communications |
| Calrad Electronics | Hitachi Cable America | Rip-Tie |
| Champlain Cable | Hubbell Canada | Shure |
| Coleman Cable | Lake Cable | Southwire |
| Coleman Tape Specialties | Major Custom Cable (MCC) | Tripp Lite |
| Core Brands | Marshall Electronics | Winchester Electronics (Kings) |



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Not Finding What Your Are Looking For? Contact Us!

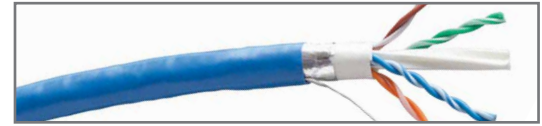
905.726.1717 (EST)

425.286.1900 (PST)

broadcast@iewc.com

Networking Cable & Connectors

Networking Cable



Category 6A

Product Type	Brand	Shielding	Belden Item		
			CMR	CMP	LSZH
10GXS Small Diameter, Nonbonded-Pair, 4-Pair, 23 AWG	Belden	Unshielded	10GXS12	10GXS13	-
10GXS Small Diameter, Bonded-Pair, 4-Pair, 23 AWG	Belden	Unshielded	10GXS32	10GXS33	-
10GX, Nonbonded-Pair, 4-Pair, 23 AWG	Belden	Unshielded	10GX12	10GX13	10GX24
10GX, Bonded-Pair, 4-pair, 23 AWG	Belden	Unshielded	10GX32	10GX33	10GX44
10GX, Nonbonded-Pair, 4-Pair, 23 AWG, F/UTP	Belden	Shielded	10GX52F	10GX53F	10GX54F
10GX, Bonded-Pair, 4-Pair, 23 AWG, F/UTP	Belden	Shielded	10GX62F	10GX63F	10GX64F

Category 6

Product Type	Brand	Shielding	Belden Item		
			CMR	CMP	LSZH
DataTwist 3600, Nonbonded-Pair, 4-pair, 23 AWG	Belden	Unshielded	3612	3613	3624
DataTwist 3600, Bonded-Pair, 4-pair, 23 AWG	Belden	Unshielded	3632	3633	3644
DataTwist 2400, Nonbonded-Pair, 4-pair, 23 AWG	Belden	Unshielded	2412	2413	2424
DataTwist 2400, Bonded-Pair, 4-pair, 23 AWG	Belden	Unshielded	1872A	1874A	-
DataTwist 2400, Bonded-Pair, 4-pair, 23 AWG	Belden	Shielded	2412F	2413F	-
DataTwist 2400, F/UTP	Belden	Shielded	1351A	1352A	-

Category 5e

Product Type	Brand	Shielding	Belden Item		
			CMR	CMP	LSZH
DataTwist 1200, Nonbonded-Pair, 4-pair, 24 AWG	Belden	Unshielded	1212	1213	1224
DataTwist 1200, Bonded-Pair, 4-pair, 24 AWG	Belden	Shielded	1212F	1213F	-
DataTwist 1200, Bonded-Pair, 4-pair, 24 AWG	Belden	Unshielded	1700A	1701	-
DataTwist 1200, Bonded-Pair, Banana Peel	Belden	Unshielded	1700S6	1701S6	-

Networking Connectors

Belden REVConnect

Cut the average time to terminate a UTP jack by 66%! Belden's newest connector will change the way you plan your projects.



RELIABLE!
Gas Tight Connection

EASY!
UTP Jack Terminations < Minute

VERSATILE
One Universal Tool

Cable Type	Jack Part Number		Plug Part Number	
	Unshielded	Shielded	Unshielded	Shielded
6A	RVAMJKUBK-S1	RVAMJKSME-S1	RVAFPUBK-S1	RVAFPSME-S1
6	RV6MJKUBK-S1	RV6MJKSME-S1	-	-
5e	RV5MJKUBK-S1	RV5MJKSME-S1	-	-

Networking Connectors & Patching

Connectors (Cont'd)

Neutrik etherCON RJ45 Connectors

This connector excels in the most demanding AV applications, including live production, outdoor internet environments, and commercial installations.



Product	Series	Key Features and Options
Connector	Cat 6A	Nickel or Black Plating
	Cat 6	Dust and water resistant, Push-Pull locking system
	Cat 5e	A, B, D Shapes Available, rugged diecast shell and unique chuck type strain relief
Receptacle	Cat6A	Available with Black or Nickel plating, shielded feedthrough or shielded IDC, and integrated rubber sealing cap
	Cat 6	Nickel or Black D-shell
	Cat 5e	A, B, and D shapes, Horizontal and Vertical PCB mounts

Other DataComm Connectors

RJ-45



D-Sub



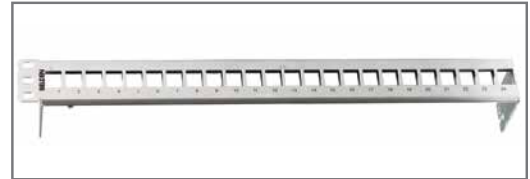
DIN PS2



Item	Brand	Connector Type
CAPFMFL-S1	Belden	Cat 6A Field Mount Plug, Shielded, 24-22 AWG
DH-37HP	Calrad	D-Sub 37-Pin Male, Crimp Housing
105020	Platinum Tools	Shielded EZ-RJ45 Cat 5E/CAT6, 100 Pack

Panels

The newly integrated Broadcast or AV Infrastructure is just as likely to be founded on IP as coax. IEWC has the complete networking solutions to modernize and future-proof your new studio, mobile truck, or commercial application.



Selected Panels

Item Number	Brand	Description
AX103114	Belden	KeyConnect Patch Panel, 24-port, 1U, Black (Empty)
AX103121	Belden	KeyConnect Patch Panel, 48-port, 1U, Black (Empty)

Networking Patch Cords

Customize your network patching via cable type, length, shielding, wiring type (T568A/B), and color. Additional features such as snagless and non-booted cords are also available.



Cable Type	Shielding	Brand	Length						
			3'	4'	7'	10'	15'	25'	35'
Cat 6A	Unshielded (Blue)	Belden	-	CA21106004	CA21106007	-	CA21106015	-	-
	Shielded (White)	Belden	-	CAF1109004	CAF1109007	-	CAF1109015	CAF1109025	-
Cat 6	Unshielded (Blue)	Belden	-	C601106004	C601106007	C601106010	C601106015	-	-
		C2G	27141	-	27142	27143	22015	27145	31351
	Shielded (White)	Belden	-	C6F119004	C6F119007	-	C6F119015	C6F119025	-
		C2G	00916	-	00920	00923	00926	00928	00930
Cat 5e	Unshielded (Blue)	Belden	-	C501106004	-	C501106010	C501106015	-	-
	Shielded (White)	Belden	-	C5F1109004	C5F1109007	-	C5F1109015	C5F1109025	-

Networking Assemblies & Adapters

Data/Computer Assemblies

These assemblies fall into many categories but are frequently used for carrying data to computer and device applications. Available in pre-made and custom forms, computer assemblies are generally identified by the connectors, either consistent on both ends or taking the form of an adapter from one type to another. Extenders and splitters can often be applied to lengthen or multiply a signal.

DVI Cables (M-M)



Length	DVI-D				DVI-I			
	Single Link		Dual Link		Single Link		Dual Link	
	BELDEN	C2G	BELDEN	C2G	BELDEN	C2G	BELDEN	C2G
2m	-	-	DDD002MB	26911	DSI002MB	26946	DDI002MB	26948
3m	-	-	DDD003MB	26942	DSI003MB	26947	DDI003MB	26949
5m	-	-	DDD005MB	29527	DSI005MB	29526	DDI005MB	29528
1.5'	-	-	DDD002FB	-	-	-	-	-
3'	DSD003FB	-	-	-	-	-	-	-
6'	DSD006FB	-	-	-	-	-	-	-
10'	DSD010FB	-	-	-	-	-	-	-
15'	DSD015FB	-	-	-	-	-	-	-

VGA Cables



Length	Cable Type	C2G Part Number
6'	VGA + 3.5mm	50225
10'	VGA + 3.5mm	50226
15'	VGA + 3.5mm	50227
25'	VGA + 3.5mm	50228

USB Cables



Length	Cable Type	C2G Part Number
2m	USB 2.0 A/B	28102
3m	USB 2.0 A/B	28103
12m	USB 2.0 A/B	38998*
32'	M-F	39011

*Denotes active and directional.

Additional Assemblies



Types
D-Sub Cables
Thunderbolt Cables
Serial Cables
Displayport Cables

DataComm Adapters

Adapters cables and dongles convert input and/or output method via gender, connection type or style (i.e. right angle), or number of signals.

Telecom



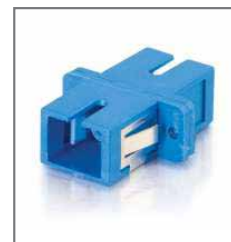
D-Sub



USB



Fiber



Video Cable

Video Distribution Cable (HD-SDI) by Belden



Miniature Coax Cable

Product Type	Item	ADC Connectors			Belden Connectors		
		Connector	Strip Tool	Die	Connector	Strip Tool	Die
SubMiniature, 28.5 AWG, Precision Video, Non Plenum	179DT	BNC-31	STC-13B	WT-2 & WD-2	179DTBHDL	PS59/6/RGB	CPLCRBC-BR
Miniature 23 AWG Precision Video, Non Plenum	1855A	BNC-13	STC-13B	WT-2 & WD-2	1855ABHDL	PS/59/6/RGB	CPLCRBC-BR
Miniature RG59 Precision Video, Plenum	1855P	BNC-13	STC-13B	WT-2 & WD-2	1855ABHDL	PS/59/6/RGB	CPLCRBC-BR
VideoFlex 5 Cond Mini RG59 Snake, Non Plenum (1855A)	7789A	BNC-13	STC-13B	WT-2 & WD-2	1855ABHDL	PS/59/6/RGB	CPLCRBC-BR

RG-59 Coax Cable

Product Type	Item	ADC Connectors			Belden Connectors		
		Connector	Strip Tool	Die	Connector	Strip Tool	Die
RG59 Precision Video, Non Plenum	1505A	BNC-1	STC-12B	WT-2 & WD-1	1505ABHDL	PSA59/6	CPLCRBC-BR
RG59 Precision Video, Plenum	1506A	BNC-6	STC-12B	WT-2 & WD-1	1506ABHDL	PSA59/6	CPLCRBC-BR
RG59 Precision Video, Flexible	1505F	BNC-1	STC-12B	WT-2 & WD-1	1505ABHDL	PSA59/6	CPLCRBC-BR
VideoFlex 5 Cond RG59 Snake, Non Plenum (1505A)	7796A	BNC-1	STC-12B	WT-2 & WD-1	1505ABHDL	PSA59/6	CPLCRBC-BR

RG-6 Coax Cable

Product Type	Item	ADC Connectors			Belden Connectors		
		Connector	Strip Tool	Die	Connector	Strip Tool	Die
RG6 Precision Video, Non Plenum	1694A	BNC-8	STC-11B	WT-2 & WD-5	1694ABHDL	PSA59/6	CPLCRBC-BR
RG6 Precision Video, Plenum	1695A	BNC-10	STC-11B	WT-2 & WD-5	1695ABHDL	PSA59/6	CPLCRBC-BR
RG6 Precision Video, Flexible	1694F	BNC-8	STC-11B	WT-2 & WD-5	1694ABHDL	PSA59/6	CPLCRBC-BR
5 Cond RG6 Precision Video, Non Plenum, Banana Peel	1694S5	BNC-8	STC-11B	WT-2 & WD-5	1694ABHDL	PSA59/6	CPLCRBC-BR
5 Cond RG6 Precision Video, Plenum, Banana Peel	1695S5	BNC-10	STC-11B	WT-2 & WD-5	1695ABHDL	PSA59/6	CPLCRBC-BR

RG-7 Coax Cable

Product Type	Item	ADC Connectors			Belden Connectors		
		Connector	Strip Tool	Die	Connector	Strip Tool	Die
RG7 4K Precision Video, Non Plenum	4794R	-	-	-	1794ABHD1	PS-11	CPLCRBC1794
RG7 Precision Video, Non Plenum	1794A	BNC-27	STC-25B	WT-2 & WD-1	1794ABHD1	PS-11	CPLCRBC1794

RG-11 Coax Cable

Product Type	Item	ADC Connectors			Belden Connectors		
		Connector	Strip Tool	Die	Connector	Strip Tool	Die
RG11 Precision Video, Non Plenum	7731A	BNC-25	STC-25B	WT-2 & WD-6	FSN11QHBNC	PS-11	CPLCCT-11BNC
RG11 Precision Video, Plenum	7732A	BNC-25	STC-25B	WT-2 & WD-6	FSN11QHBNC	PS-11	CPLCCT-11BNC
RG11 Precision Video, Waterblocked	7731WB	BNC-25	STC-25B	WT-2 & WD-6	FSN11QHBNC	PS-11	CPLCCT-11BNC



1794A

Video Cable

Video Distribution Cable (Commercial) by Belden



HD Coax Cables

Product Type	Key Attribute	Item Number		Belden Connector		
		Riser	Plenum	BNC	Comp Tool	Strip Tool
Miniature 23 AWG SDI Coax	Bonded Foil, Swept to 3 GHz	1371R	1371P	FSNS15BNC	CPSNSCT-596	PS59/6/RGB
RG59, 20 AWG SDI Coax	Bonded Foil, Swept to 3 GHz	1370R	1370P	FSNS59BNCPL	CPSNSCT-596	PS59/6/RGB
RG6, 18 AWG SDI Coax	Bonded Foil, Swept to 3 GHz	1369R	1369P	FSNS6BNCPL	CPSNSCT-596	PS59/6/RGB

Mini Hi-Res Coax Cables

Product Type	Key Attribute	Item Number		Belden Connector		
		Riser	Plenum	BNC	Comp Tool	Strip Tool
(3) 25 AWG Mini Hi-Res Coax w/ Bonded Foil	Overall Jacket	1393R	1393P	FS1NBC	CPSNSCT-596	PS59/6/RGB
(4) 25 AWG Mini Hi-Res Coax w/ Bonded Foil	Overall Jacket	1394R	1394P	FS1NBC	CPSNSCT-596	PS59/6/RGB
(5) 25 AWG Mini Hi-Res Coax w/ Bonded Foil	Overall Jacket	1395R	1395P	FS1NBC	CPSNSCT-596	PS59/6/RGB
(6) 25 AWG Mini Hi-Res Coax w/ Bonded Foil	Overall Jacket	1396R	1396P	FS1NBC	CPSNSCT-596	PS59/6/RGB
(5) 25 AWG Mini Hi-Res Coax w/ Bonded Foil	Banana Peel	1397S5	1398S5	FS1NBC	CPSNSCT-596	PS59/6/RGB
(6) 25 AWG Mini Hi-Res Coax w/ Bonded Foil	Banana Peel	5788AV	6788AV	FS1NBC	CPSNSCT-596	PS59/6/RGB

Video Display Cable by Belden

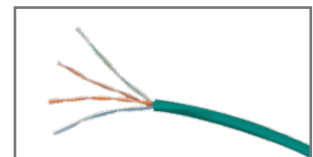


CATV Coax Cables

Product Type	Key Attribute	Item Number		Belden Connector		
		Non-Plenum	Plenum	BNC	Comp Tool	Strip Tool
RG6 Coax, 18 AWG CCS, foil + 60% Alum. Braid	Swept 5-1000MHz, CM Rated	9116	9116P	FSNS6U/FSNS6PL	CPSNSCT-596	PSA59/6
RG6 Coax, 18 AWG CCS + Alum. Quad Shield	Swept 5 MHz - 1 GHz	1189A	1189AP	FSNS6U	CPSNSCT-596	PSA59/6
RG11 Coax, 14 AWG CCS, Dual Shield	-	1523A	1523P	716SNS1P11HPLA	CPLCCT-LS59/11	PS-11

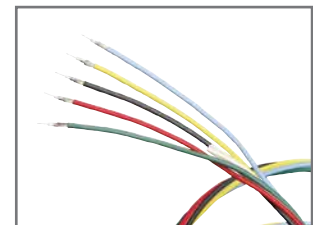
Low Skew Component Video (RGB/VGA)

Product Type	Cable Item Number		Belden RJ45 Plugs
	Riser	Plenum	
Nano Skew (2.2nsec/100m maximum)	7987R	7987P	R301602
Low Skew Cat 5e (9.0nsec/100m maximum)	7988R	7988P	R301602



RGB Cable

Product Type	Item Number	
	Non-Plenum	Plenum
5 Conductor Mini Hi-Res RGB	1279R	1279P
Banana Peel 5 Conductor Mini Hi-Res, RGB	1281S5	1282S5
3 Conductor Mini Hi-Res RGB	1277R	1277P
1 Conductor, 75 Ohm Miniature Coax	1281R	1281P



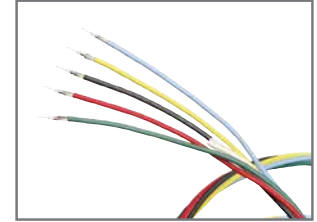
Video Cable

Video Camera Cable by Belden



Triax Cable

Product Type	Manufacturer	Item Number		
		Non Plenum	Plenum	Waterblocked
RG59 Triax, Non Plenum	Belden	8232/8232A	88232	-
RG59 High Flex Triax	Belden	1857A	-	-
RG11 Triax	Belden	8233A	8233P	8233WB
RG11 High Flex Triax	Belden	1858A	1859A	-



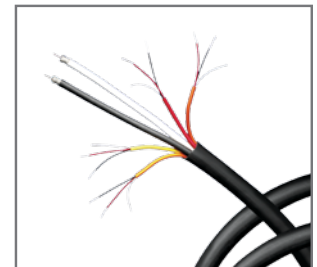
SMPTE 311M Cable

Product Type	Item Number		
	Non Plenum	Plenum	Waterblocked
SMPTE 311M HDTV - (2) fiber, (2) 24 AWG, (4) 20 AWG, Lightweight	7804LW	-	-
SMPTE 311M HDTV - (2) fiber, (2) 24 AWG, (4) 20 AWG	7804R	7804P	7804WB
SMPTE 311M HDTV - (2) fiber, (2) 24 AWG, (4) 16 AWG	7804C	-	-
3 Channel SMPTE 311M	7824R	7824P	7824WB
Electrical Camera Cable	7825R	7825P	-



ENG Cable

Product Type	Item Number			
	Cable	Connector	Strip Tool	Die
2 RG59 20 AWG digital coax + 4 Pair 22 AWG, Shielded, for analog audio	1347A	1505ABHD1	PSA59/6	CPLCRBC-BR
RG59 22 AWG stranded analog coax + 1 Pair 22 AWG, Shielded, for analog audio	9265	1505ABHD1	PSA59/6	CPLCRBC-BR
RG59 22 AWG stranded analog coax + 3 Pair 22 AWG, Shielded, for analog audio	9165	1505ABHD1	PSA59/6	CPLCRBC-BR



Video Connectors

Video Connectors

BNC Connectors

Belden Cable Number	Belden BNC Number	CommScope ADC BNC Number	Neutrik BNC Number		
			rearTWIST HD	resrTWIST UHD	Jack
1277R, 1278R, 1279R	-	-	NBTC75BNN5*	-	-
1406B, 1407B, 1417B	-	-	NBTC75BVV5*	-	-
1505A, 1426A	1505ABHDL	BNC-1-N	NBNC75BLP9	NBNC75BLP9X	NBNC75GLP9
1506A	1506ABHDL	BNC-6-N	NBNC75BIJ9*	-	-
1694A	1694ABHDL	BNC-8-N	NBNC75BTU11	NBNC75BTU11X	-
1694F	1694ABHDL	BNC-8-N	NBNC75BRU11	-	-
179DT	179DTBHDL	BNC-31-N	-	-	-
1794A	1794ABHD1	BNC-27-N	NBNC75BZV14	-	-
1855A	1855ABHDL	BNC-13-N	NBNC75BDD6	-	-
1855ENH	-	-	NBNC75BFG7	NBNC75BFGTX	-
1865A	-	-	NBTC75BXX5*	-	-
4794A					
7731A	FSN11QHBNC	BNC-25-N	NBLC75BVZ17	-	-
7732A	FSN11QHBNC	BNC-25-N	-	-	-
7789A	1855ABHDL	BNC-13-N	-	-	-
7796A	1505ABHDL	BNC-1-N	-	-	-
8218	-	-	NBTC75BXX5	-	-
8241	-	-	NBNC75BLP7	NBNC75BLP7X	-
8241F	-	-	NBNC75BLP9	NBNC75BLP9X	NBNB75GLP9
8281	-	BNC-4-N	NBNB75BXY9	-	-
8281F	-	BNC-4-N	NBNC75BYY9	-	-
9221	-	-	NBTC75BLI4*	-	-

*Denotes rearTWIST HD Tiiny model.

Triax Connectors

Cable Size	Brand	Jack Part Number	Plug Part Number
A12 (1/2"), .475" Cables	ADC	ATCJ-A12	ATCP-A12
B38 (3/8"), .360" Cables	ADC	ATCJ-B38	ATCP-B38
C12 (1/2"), .520" Cables	ADC	ATCJ-C12	ATCP-C12
D38 (3/8"), .410" Cables	ADC	ATCJ-D38	ATCP-D38



Other Video Connectors

HDMI



RCA Plugs



F Connectors



DIN Video 1.0/2.3



Video Adapters & Patching

Video Adapters

Adapters convert input and/or output via gender, connector type, or connection style (i.e. right angle). Common types include BNC, HDMI, RCA Video, VGA/SVGA, DVI, CATV, and F Connectors.

Popular Adapters

Product Type	Category	C2G Part Number
DVI-D M to HDMI F	Video	40746
DVI M to HD15 VGA F	Video	26956
USB 3.1 USB-C to HDMI	Data/Video	29474
HDMI F/F Coupler	Video	40970
Mini HDMI M to HDMI F	Video	41356
SC/SC F/F Simplex Coupler	Fiber	17437



Video Panels

Commscope's high-quality line of video patching products features true 75 ohm for excellent digital performance. Their broad offering ensures an optimal solution is available for any project, including custom panels. Their featured series include high-density, rugged, and economically-priced models.



COMMSCOPE[®]

Selected Panels

Product Series	Rack Units	Pattern	Jack Types	Key Features
ProPatch[®] Miniature (PPM)	1 or 1.5	Normalling or Non-Normalling	LCC, 1.0/2.3	Designed for coax applications where space is at a premium.
ProPatch[®] Integrated (PPI)	1, 1.5, or 2	Normalling or Straight-Through	MVJ, SVJ	Rugged with a welded steel chassis.
ProPatch[®] Economical (PPE)	1, 2, 3, or 4	Normalling or Straight-Through	MVJ, SVJ	Economical model with no rear silk screening.

Video Patch Cords & Assemblies

These products distribute analog or digital video between equipment or within a patch bay. The options available for video assemblies ensure any project requirement can be met -- from simple applications like a board room to the most complex broadcast infrastructure. Commonly sought connection types include BNC, Coax, RCA, Composite, and Component.

Video Patch Cords

Product Type	Item Number*	Length (x)
WECO Midsize Plug to Midsize Plug, Black	BKxV-STM	1, 2, 3, 4, 6
WECO Standard ST HD to Standard, Black	BKxV-STs	1, 2, 3, 4, 6
WECO Midsize Plug to Standard, Black	BKxV-M-S	1, 2, 3, 4, 6



*To select a different color, replace BK with R (Red), B (Blue), or G (Green)

Video Assemblies

Custom Broadcast Assemblies

Broadcast and AV infrastructures and applications vary greatly, and premade solutions will rarely match the need for a new design or live event. IEWC has an in-house technical division capable of providing a pre-terminated solution or consultation to ensure the end-result matches the specific application. We also work with third parties to fulfill urgent needs, thereby enabling us to quickly provide a customized solution in almost any area of the globe. Our custom assembly program includes:

Broad Cable Offering

- Coax Assemblies
- Triax Assemblies
- SMPTE Assemblies
- Tactical Fiber Assemblies
- Audio Assemblies

Leading Connector Brands

- Amphenol
- Belden
- Commscope (ADC)
- Lemo
- Neutrik
- Winchester (Kings)

Simple Order Instructions

- Cable Details (type, make, etc.)
- Color
- Connector Make(s)
- Connector 1
- Connector 2
- Length

HDMI

HDMI carries digital video and audio signals from a compliant source to a display. Now the most widely used AV connection, the HDMI line includes generic cables, those with unique features, and adapters and extenders.



Length	Belden Item Number					
	Standard	High Speed w/ Ethernet	Mini HDMI to Standard HDMI	Micro HDMI to Standard HDMI	Locking HDMI 700 Series	Locking HDMI 1000 Series
1m	HD2001	HDE001MB	HDM001MB	HDC001MB	-	-
1.5m	-	HDE002MB	HDM002MB	HDC003MB	-	-
3m	HD2003	HDE003MB	HDM003MB	HDC003MB	-	-
7m	HD2007	HDE007MB*	-	-	-	-
8'	-	-	-	-	HD-700-8	HD-1000-8
16'	-	-	-	-	HD-700-16	HD1000-16
25'	-	HDE025FB*	-	-	HD-700-25	HD-1000-25
35'	-	HDE035FB*	-	-	HD-700-35	HD-1000-35
50'	-	HDE050FB*	-	-	HD-700-50	HD-1000-50

*Denotes active and directional.



Length	C2G Part Number					
	Value	High Speed w/ Ethernet	Gripping	Plenum	High-Speed	Ultra Flex
3'	-	-	29675	-	-	41363
6'	-	-	29677	-	56783	41364
10'	56784	-	29678	-	-	-
15'	50612	-	29680	41190	50612	-
50'	-	-	29686	41371*	-	-
75'	-	-	-	41372*	-	-
100'	-	-	-	41373*	-	-

*Denotes active and directional.

Audio Cable

Audio Cable by Belden

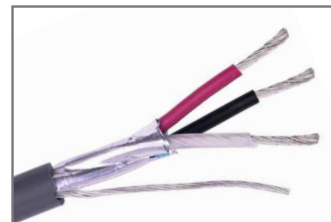


Shielded Audio Cables - Stranded Conductor

Product Type	Bare Copper Item		Tinned Copper Item		
	Non Plenum	Plenum	Non Plenum	Plenum	Waterblocked
22 AWG, 1 Pair, Shielded	5500FE	6500FE	5500FH	6500FH	5500F1
20 AWG, 1 Pair, Shielded	5400FE	6400FE	5400FH	6400FH	-
18 AWG, 1 Pair, Shielded	5300FE	6300FE	5300FH	6300FH	5300F1
16 AWG, 1 Pair, Shielded	5200FE	6200FE	5200FH	6200FH	5240F1
14 AWG, 1 Pair, Shielded	5100FE	6100FE	5100FH	6100FH	5140F1
12 AWG, 1 Pair, Shielded	5000FE	6000FE	5000FH	6000FH	-
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	-	-	1325R	1325A	-
22 AWG, 3 Pair, Individually Shielded	-	-	1326R	1326A	-

Shielded Audio Cables - Solid Conductor

Product Type	Item Number	
	Non Plenum	Plenum
22 AWG, 2 Conductor	5520FE	6520FE
22 AWG, 3 Conductor	5521FE	6521FE
20 AWG, 3 Conductor	5421FE	6421FE
18 AWG, 2 Conductor	5320FE	6320FE



Line Level Cable

Product Type	Item Number		
	Non Plenum	Plenum	Waterblocked
22 AWG, 1 Pair	8451	-	-
22 AWG, 1 Pair, Bonded Foil	9451	9451P	9451WB
22 AWG, 2 Pair, Bonded Foil, Siamese Construction	9451D	9451DP	-
22 AWG, 2 Pair, Individually Shielded	8723	82723	-



Nurse Call Cables

Product Type	Key Attributes	Item Number	
		Non Plenum	Plenum
22 AWG, 4 Conductor	Configured for Nurse Call Systems	5520FE	6520FE
24 AWG, 6 Conductor	Configured for Rauland Borg Responder IV Cable H (S-Bus)	5521FE	6521FE
24 AWG, 8 Conductor	Configured for Rauland Borg Responder IV Cable G (CL-Drop)	5421FE	6421FE
24 AWG, 3 Pair, Category 5e	Configured for Rauland Borg Responder IV Cable F (J Drop, H (S-Bus), or S (Console/Receptacle)	5421FE	6421FE

Audio Cable

Intercom/PA Cable

Intercom/Paging/Public Address Cable

Product Type	Belden Item Number		
	Non Plenum	Plenum	Waterblocked
22 AWG, 1 Pair	5500FE	6500FE	5500F1
22 AWG, 1 Pair, Shielded	-	6500PE	-
22 AWG, 1 Pair, Shielded, Foil Bonded to Jacket for Easy Stripping	-	6500PE	-
20 AWG, 1 Pair, Shielded	5400FE	6400FE	-
18 AWG, 1 Pair, Shielded	5300FE	6300FE	5300F1
16 AWG, 1 Pair, Shielded	5200FE	6200FE	5420F1
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	-



Audio Solutions

Pro Audio and Intercom Cables

Product Type	Key Attributes	Rating	Belden Item Number
22 AWG, 2 Conductor	BARE COPPER, 45 PF/FT.	Plenum	6500FC
22 AWG, 4 Conductor	Shielded with Shorting Fold	Plenum	6502FC
22 AWG, 3 Pair	Shielded Pairs, FEP Insulation	Plenum	6542PA
22 AWG, 6 Pair	Shielded Pairs, FEP Insulation	Plenum	6545PA
22 AWG, 8 Pair	Shielded Pairs, FEP Insulation	Plenum	6546 PA
22 AWG, 12 Pair	Shielded Pairs, FEP Insulation	Plenum	6548PA
20 AWG, 2 Conductor	Shielded with Shorting Field	Plenum	6400FC
18 AWG, 2 Pair	Shielded Pairs, FEP Insulation	Plenum	6341PC
18 AWG, 3 Pair	Shielded Pairs, FEP Insulation	Plenum	6342PC
18 AWG, 4 Pair	Shielded Pairs, FEP Insulation	Plenum	6343PC
18 AWG, 6 Pair	Shielded Pairs, FEP Insulation	Plenum	6345PC
18 AWG, 2 Conductor	Shielded with Shorting Field	Plenum	6300FC
18 AWG, 4 Conductor	Shielded with Shorting Field	Plenum	6302FC

Microphone Cable

Product Type	Signal Type	Brand	Non Plenum Item Number
26 AWG, Star Quad	Analog	Belden	1172A
24 AWG, Star Quad	Analog	Belden	1192A
24 AWG, 1 Pair, Braid Shield, Analog/Digital, CMR Rated	Analog	Belden	1800F
20 AWG, 2 Conductor, Rugged All-Rubber Construction	Analog	Belden	8412
20 AWG, 2 Conductor, High Strength Construction	Analog	Belden	1776
26 AWG, 1 Pair, Braid Shield	Digital	Belden	2221
20 AWG, 1 Pair, Braid Shield, Analog/Digital, CMR Rated	Digital	Belden	1800F



Audio Cable

Snake Cable by Belden



Multi-Pair Snake Cable

Product Type	Item Number			
	Non Plenum	Plenum	Banana Peel Plenum	Waterblocked
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, Bonded Foil, Siamese Construction	9451D	9451DP	-	-
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	9451PS6	1817WB
22 AWG, 12 Pair, Individually Shielded/Jacketed, Install	1818R	1818P	-	1818WB
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, 4 Pair, Individually Shielded	-	6543PA	-	-
22 AWG, 16 Pair, Individually Shielded	-	6549PA	-	-

Digital Multi-Pair Snake Cable

Product Type	Item Number	
	Non Plenum	Plenum
24 AWG, 1 Pair, Foil Shield	1800B	1801B
24 AWG, 2 Pair, Foil Shield, Siamese Construction	1802B	1801BD
26 AWG, 4 Pair, Individually Shielded/Jacketed Pairs	7890A	-
26 AWG, 8 Pair, Individually Shielded/Jacketed Pairs	7880A	-
26 AWG, 12 Pair, Individually Shielded/Jacketed Pairs	7892A	-
26 AWG, 16 Pair, Individually Shielded/Jacketed Pairs	7893A	-
24 AWG, 2 Pair, Individually Shielded/Jacketed Pairs	1802F	-
24 AWG, 4 Pair, Individually Shielded/Jacketed Pairs	1803F	-
24 AWG, 8 Pair, Individually Shielded/Overall Shield	1805F	-
26 AWG, 12 Pair, Individually Shielded/Overall Shield	1806F	-
26 AWG, 16 Pair, Individually Shielded/Overall Shield	1850F	-
26 AWG, 24 Pair, Individually Shielded/Overall Shield	1825F	-



Audio Cable

Speaker Cable

High-Flex Speaker Cables

Product Type	Key Attributes	Manufacturer	Tinned Copper Item	
			Non Plenum	Plenum
18 AWG, 2 Conductor	High Strand Count	Belden	5300UP	-
18 AWG, 4 Conductor	High Strand Count	Belden	5302UP	-
16 AWG, 2 Conductor	High Strand Count	Belden	5200UP	-
16 AWG, 4 Conductor	High Strand Count	Belden	5202UP	-
14 AWG, 2 Conductor	High Strand Count	Belden	5100UP	-
14 AWG, 4 Conductor	High Strand Count	Belden	5102UP	-
12 AWG, 2 Conductor	High Strand Count	Belden	5000UP	-
12 AWG, 4 Conductor	High Strand Count	Belden	5002UP	-
10 AWG, 2 Conductor	High Strand Count	Belden	5T00UP	6T00UP



Speaker Cable - Stranded Conductor

Product Type	Manufacturer	Bare Copper Item		Tinned Copper Item		
		Non Plenum	Plenum	Non Plenum	Plenum	Waterblocked
18 AWG, 2 Conductor, 7 Strand	Belden	5300UE	6300UE	5300UH	6300UH	5300U1
18 AWG, 4 Conductor, 7 Strand	Belden	5302UE	6302UE	5302UH	6302UH	5302U1
16 AWG, 2 Conductor, 19 Strand	Belden	5200UE	6200UE	5200UH	6200UH	5240U1
16 AWG, 4 Conductor, 19 Strand	Belden	5202UE	6202UE	5202UH	6202UH	5202U1
14 AWG, 2 Conductor, 19 Strand	Belden	5100UE	6100UE	5100UH	6100UH	5140U1
14 AWG, 4 Conductor, 7 Strand	Belden	5102UE	6102UE	5102UH	6102UH	5102U1
12 AWG, 2 Conductor, 19 Strand	Belden	5000UE	6000UE	5000UH	6000UH	5000U1
10 AWG, 2 Conductor, 65 Strand	Belden	5T00UP	6T00UP	-	-	-

Speaker Cables - Solid Conductor

Product Type	Key Attributes	Manufacturer	Tinned Copper Item	
			Non Plenum	Plenum
22 AWG, 2 Conductor	Solid	Belden	5520UE	6520UE
22 AWG, 3 Conductor	Solid	Belden	5521UE	6521UE
22 AWG, 4 Conductor	Solid	Belden	5522UE	6522UE
18 AWG, 2 Conductor	Solid	Belden	5320UE	6320UE
18 AWG, 3 Conductor	Solid	Belden	5321UE	6321UE
18 AWG, 4 Conductor	Solid	Belden	5322UE	6322UE



Audio Connectors

Neutrik Connectors



XLR Connectors*

A crucial component for most sound equipment, Neutrik's XLR connector is the accepted standard worldwide. Introduced over 40 years ago, the XLR is Neutrik's most well-known product, providing the highest quality performance.



Product Type	Series	Shell	Contact - plating	Key Features
Cable Connectors	XX	Nickel, Black Cr, White painted	Silver or Gold	Next generation of the X Series, 3-7 poles, excellent contact integrity
	RX	Nickel or Black Cr	Silver or Gold	Extra slim right-angle version of the XX series, Neutrik chuck type strain relief
	XX-14	Nickel or Black Cr	Silver or Gold	Robust, ergonomic design, single plug or dual (-2)
	convertCON	Nickel or Black Cr	Gold	Unisex XLR connector, substitutes adapters
	XX-HD	Nickel or Metal Black	Gold	Heavy duty connector for outdoor use, Dust and water resistant
Chassis Connectors	X	Nickel, Black Cr, Nickel/Black Cr	Silver, Gold, Silver/Gold	3-7 pin configurations, rugged diecast shell
	A	Black Plastic	Gold	Combined 3 pole XLR receptacle and 1/4" phone jack for balanced mic
	DL	Nickel, Black Cr, Velour Cr	Silver or Gold	Unified "D" metal shell, Solder cups on 3-7 pole versions

*Information on complete Neutrik part numbers can be found on page 25.

Jacks and Plugs*

Neutrik's plug and jack program offers a wide range of professional phone connectors including 1/4", 3.5 mm, MIL/B-gauge style and TT or bantam style plugs.



Product Type	Series	Product Focus	Key Features
Plugs	PX (PRX)	1/4" Professional Phone Plugs Right Angle	Mono (TS) or Stereo (TRS), Nickel or Gold Plugfinger, accomodates up to 8mm cable
	C	1/4" Professional Phone Plugs, Right Angle	Mono or Stereo, meets EIA / IEC standards, chuck type strain relief.
	Bantam	0.173" Bantam Type Miniature Plugs	Robust, ergonomic design, single plug or dual (-2)
	RX	3.5mm Right-Angle Stereo Plug	Chuck type straign relief, slim design saves space
Jacks	NJ3FC6	Locking 1/4" Cable Jacks	Nickel or Black Shell, Silver Contacts
	NJ3FPC6	Locking 1/4" Chassis Jacks	Nickel or Black Shell, Gold or Silver Contacts

*Information on complete Neutrik part numbers can be found on page 25.

speakON Connectors*

The speakON line is engineered for easy and fast assembly. A reliable product with a "Quick Lock" system for speakers, the speakON meets all traditional safety specs.



Product Type	Series	Poles	Description and Features
Cable Connectors	SPX	2 or 4	Cable connector with chuck and colored bushing, Right-angle available (NL4FRX)
	FC	4 or 8	Cable connector with latch lock
	STX	4 or 8	Female or Male cable connector, nickel or black-chrome metal housing, chuck and bushing
Adapter	NA4LJX	4/2	Adapts speakON connector to 2 pole 1/4"
Chassis Connectors	Traditional	2, 4, or 8	Various flange and hole layouts available
	STX	4 or 8	Square G-size flange, 'C' flange layout, 'D' hole layout

*Information on complete Neutrik part numbers can be found on page 25.

Audio Adapters & Patching

Other Audio Connectors

Bantam



RCA (Phono)



2.5/3.5mm



DIN Audio



Audio Panels

ProPatch® Programmable (PPP)

Commscope's ProPatch® Programmable patch system features WECO modular jacks in a space-saving and lightweight package. The PPP is the only product in its class that passes the MIL-STD-202F standard.



Item Number	Key Features
PPP1248-E3-HN-S	Individual jack cards with unique circuit pair of jacks



Audio Assemblies

Popular Assembly Types

- XLR Cables
- 1/4" Cables
- 2.5/3.5mm Cables
- Bantam Patch Cables
- Longframe Patch Cables
- Toslink Optical Cables
- Adapter Cables



Cable Type	Length	Gender	C2G Part Number
3.5mm	6'	M-M	40413
	12'	M-M	40414
XLR	3'	M-F	40058
	25'	M-F	40061

Audio Adapters

Adapters cables and dongles convert input and/or output method via gender, connection type or style (i.e. right angle), or number of signals. Common connection types include 1/4", XLR, and 3.5mm.

Gender Converters



Adapter Cables



Splitters



Belden FiberExpress (FX) System



FX Fiber Cable

Application	Type	Rating	Item Number*						
			2 fibers	6 fibers	12 fibers	24 fibers	48 fibers	96 fibers	144 fibers
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

*Replace the **x** in the Belden fiber cable item number with one of the following letters:

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

FX Brilliance Universal Connectors

Product Type	Singlemode	Multimode*			
	OS2	OM1	OM2	OM4 (Aqua)	OM4 (Violet)
LC with 900 µm Boot	AX105203-B25	AX105200-B25	AX105201-B25	AX105202-B25	AX105252-B25
SC with 900 µm Boot	AX105208-B25	AX105205-B25	AX105206-B25	AX105207-B25	AX105253-B25
ST with 900 µm Boot	AX105213-B25	AX105210-B25	AX105211-B25	AX105212-B25	AX105254-B25

*Multimode connectors come in packages of 25

FX Patch Cords

Product Type	Length	OM1 (Beige)	OM3 (Aqua)	OM4 (Violet)	OS2 (Blue)
MPO-12 (f) to MPO-12 (f)	2	-	FP3MFMF002M	FP4MFMF002M	-
	3	-	FP3MFMF003M	FP4MFMF003M	-
LC Duplex to LC Duplex	2	-	FP3LDL002M	FP4LDL002M	FP3LDL002M
	3	-	FP3LDL003M	FP4LDL003M	FP3LDL003M
SC Duplex to SC Duplex	2	FP1SDSD002M	FP3SDSD002M	FP4SDSD002M	FP3SDSD002M
	3	FP1SDSD003M	FP3SDSD003M	FP4SDSD003M	FP3SDSD003M
ST to ST (Duplex Cord)	2	FP1STST002M	FP3STST003M	FP4STST003M	FP3STST003M
	3	FP1STST003M	FP3STST002M	FP4STST002M	FP3STST002M
LC Duplex to SC Duplex	3	FP1LDS003M	FP3LDS003M	FP4LDS003M	FP3LDS003M
SC Duplex to ST	3	FP1SDST003M	FP3SDST003M	-	FP3SDST002M



Fiber Solutions

Belden FiberExpress System (Cont'd)



FX Cassettes & Frames

Product Type	Cassette/Frame Type	Patch Ports (fibers)	Trunk Ports	Part Number			
				OS2 (Blue)	OM1 (Beige)	OM3 (Aqua)	OM4 (Violet)
FX Ultra Type-A Cassette	LC Duplex to MPO-12 (f)	12 (24)	2	FCSU12LDMF	FC1U12LDMF	FC3U12LDMF	FC4U12LDMF
	SC Duplex to MPO-12 (f)	6 (12)	1	FCSU06SDMF	FC1U06SDMF	FC3U06SDMF	FC4U06SDMF
FX Ultra Frames	MPO Type-A (Key-U/Key-Down)	12	-	-	-	FF3U12MP	FF4U12MP
	LC Duplex	12 (24)	-	FFSU12LD	FF1U12LD	FF3U12LD	FF4U12LD
	SC Duplex	6 (12)	-	FFSU06SD	FF1U06SD	FF3U06SD	FF4U06SD
	ST	12 (12)	-	FFSU12ST	FFSU12ST	FFSU12ST	FFSU12ST

FX System Solutions

Product Type	Item Number	Description
FX Breakout Kit	AX101100	Breakout Kit for 2.0 mm Subunits, 6-fiber, 1-Pack
FX Brilliance Installation Kit	AX104271	Precision Installation Kit (Basic Kit, Fiber Preparation Tools, Precision Cleaver and Visual Fault Locator)
FX UHD Housings	AX105563	1U Housing with Front and Rear Cable Tray, 4 module bays, 48 Ultra/72 UHD Frames & Cassettes, Black
FX UHD Shelves	AX105673	1U Standard Fixed Shelf, Black

Fiber Connectors

Neutrik opticalCON Fiber Optic Connector

Most fiber connectors are designed for permanent install, not the *high-mating cycle, harsh environment* nature of AV applications. The rugged opticalCON, however, is low maintenance and provides a safe field connection time and again.



Product	Series	Connector	Key Features and Options
opticalCON ADVANCED	Duo ADVANCED	LC-Duplex	UHD (4K8K), Mobile Use, Rugged Design, Low Maintenance, Simple Integration
	Quad ADVANCED	PC	Mono or Stereo, meets EIA / IEC standards, chuck type strain relief.
	MTP ADVANCED	MTP ELITE Female	Robust, ergonomic design, single plug or dual (-2)
opticalCON LITE	Duo LITE	LC-Duplex	Chuck type strain relief, slim design saves space
	Quad LITE	PC	Nickel or Black Shell, Silver Contacts
	MTP LITE	MTP ELITE Female	Nickel or Black Shell, Gold or Silver Contacts

Lemo SMPTE Hybrid Solutions

Lemo's SMPTE connectors and assemblies are the standard for hybrid fiber connections for HD cameras.



Product Type	Description
SMPTE 304 Hybrid Connector	High-quality stainless steel bodied hybrid connector
SMPTE 311 Assembly	Single-Mode Fibers (2), Low Voltage Conductors (2), and Power Conductors (2, 4, or 8) with SMPTE 304 Connectors
SMPTE 304 Patchbay	2 RU with up to 8 SMPTE 304 FMW/PUW Connectors

Fiber Assemblies

Connector Types

- MPO
- MTP
- opticalCON
- SMPTE
- SC
- ST
- LC
- FC

Assembly Types

- Breakout
- Patch Cords
- Adapters
- Custom



Signal Management

BrightEye Compact Converters

The BrightEye is a self-contained audio and video converter providing solutions for video routing, scan conversion, streaming, audio embedding, reference generation, HDCP, and more.

Key Features

- Easy to configure, install, and troubleshoot
- Clearly labeled front panel controls for quick setting adjustments
- Internal processing meets or exceeds SMPTE television broadcast specs
- Highly compact: Up to 6 BrightEyes can fit into 1 rack unit (optional kit)
- HDMI and Fiber Optic I/O
- Mac or PC software included for more advanced controls



Format Range

- 3G, HD and SD SDI
- S-Video
- Analog Component
- Analog Audio
- Analog Composite
- AES Digital Audio

Selected Models

Models	Description	Key Features
NXT-410H	Clean HDMI-HDCP-SDI Router with Up/Down/Cross Conversion	Flexible I/O - Configure BNCs and SFPs as inputs or Outputs Seamless switching with dual assignable clean switches Up/Down/Cross Conversion
NXT-445	Streaming Encoder	LCD preview monitor with realtime full motion video and meters
BEM-4	Mitro Pro2 Scan Converter	High Performance Conversion for PC and Mac Proprietary Scaling and Filtering System for maximum detail Memory Presets
BE75	HD/SD Analog to Digital Video Converter & Analog Embedder	Turns Analog Camera into Digital HD Source Serial Digital HD or SD Embedded Output TBC and Frame Sync
BE48	3G/HD/SD/ASI Optical to Electric Converter	Optical Receiver Passes Embedded Audio Serves as Distribution Amplifier

Signal Management

MultiDyne Video & Fiber Optic Systems



SilverBACK-II Camera Fiber Optic System

The SilverBACK-II enables all multi-camera HD-SDI signals to be transmitted through a single fiber cable. Common applications are live HD Studios, OB, higher education, and houses of worship.

Key Features

- All signals on one cable
- Two full 3G-SDI bandwidth paths
- Camera RCP control
- Integrated tally lamps
- Rugged design



KVM-6000

The KVM-6000 enables remote access to all functionality of a computer desktop over a single fiber optic cable.



Key Features

- Fully uncompressed to 2560 x 1600
- 3-port USB 2.0 hub
- Dual DVI output
- Format range includes DVI and RGB-HV
- Controls printers, scanners, web cams, and more.

Signal Management

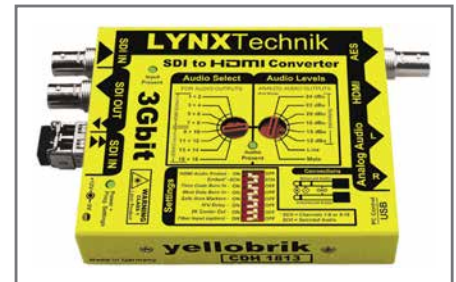
Yellobrik Modular Signal Converters

The Yellobrik is low-cost and utilitarian but maintains reliability without sacrificing performance. Lynx Technik's "no manual" approach to product design provides a user-friendly experience, and all necessary info is clearly printed right on the model.

LYNXTechnik AG
Broadcast Television Equipment

Key Features

- All connections and signal flow clearly identified
- All accessories included: module, power supply, and brackets
- Features redundant power protection
- Includes custom plastic transport case
- Optional rack mounting chassis for organized installation into a 19" frame
- Some models are field upgradable, and firmware updates are always free



Selected Models

Video Conversion		Fiber Conversion		Embed/De-embedding	
Model	Type	Model	Type	Model	Type
CDH 1813	3Gbit SDI to HDMI Converter + 3D Support	OBD 1810	3Gbit Bi-directional SDI/Fiber Transceiver 10km (Pair)	PDM 1284 B	AES audio Embedder / De-embedder (unbalanced AES)
CHD 1812	HDMI to SDI Converter with Frame Synchronizer	OTX 1812	3Gbit SDI to Fiber Optic Transmitter - 10km	PDM 1284 D	AES audio Embedder / De-embedder (balanced AES)
CHD 1802	HDMI to SDI Converter	ORX 1702	Analog Sync / Video Fiber Optic Receiver	PDM 1383	Analog Audio Embedder / De-embedder

Kramer Distribution Amplifiers

Kramer's award winning line of distribution amps were designed with the focus on innovation, reliability, and quality. These distribution amps reclock and equalize the signal before distributing it to multiple, identical outputs.



Key Features

- Proprietary equalization and re-Klocking™ technology
- 7 Year Warranty



Selected Models

Models	Description	Inputs	Outputs	Key Features
VM-8H	2x1:8 HDMI Distribution Amplifier	2 HDMI	8HDMI	Max Data Rate - 6.75Gbps HDCP Compliant 3D Pass-Through
VM-4HN	1:4 4K HDMI Distribution Amplifier	1 HDMI	4 HDMI	Max Data Rate - 10.2Gbps Enhanced EDID L & R Level Controls
VM-2HXL	1:2 Distribution Amplifier	1 HDMI	2 HDMI	Max Data Rate - 6.75Gbps Active Output LED

Racks & Enclosures

Racks by Middle Atlantic



Popular Rack Series



BGR Series

Choose the BGR for the combination of space, strength, and flexibility.

- High strength but low weight.
- Tool-free cable management
- Standard venter read door.



DRK Series

The DRK was designed to support high-density cable management.

- Fully welded for additional strength.
- Features pre-installed cable ducts.
- Accommodates copper and fiber cables equally well.



MRK Series

The MRK is a space-saving with high seismic load ratings.

- Fully welded for additional strength.
- Multiple lacing points.
- Standard configurable rear-door.

Product Type	Series	Product Focus	Width	Rack Units Options	Available Depths	Series Height Range
Gangable Floor-Standing Enclosures	BGR	Space Efficiency & Strength	23"	19, 25, 38, 41, 45	27", 32", 38", 42"	37.38" - 82.38"
	MRK	Space-Saving & High Seismic Load	22"	24, 37, 40, 44	26.5", 31.5", 36", 42"	48.13" - 83.13"
	DRK	Cable-Heavy Applications	30"	44	31", 36", 42"	83.5"
Slide Out Racks	AXS	Large Systems, Slides Flush Into A Wall	19.25"	15 - 43	16.5", 20", 26"	22.19" - 79.94"
	ASR	Rotating, Non-Rackmount w/in Doors	18.25"	-	18"	30", 36", 42", 48"
Knock Down Racks	Slim 5	Open Access, Ready to Assemble	19.13"	8, 14, 21, 29, 37, 43	20", 26"	17.75" - 79"
Wall Mount Racks	DWR	Easy Rear Access, Clear Floors	23.4"	10, 12, 16, 18, 21, 24, 35	17", 22", 26", 32"	24.5" - 68.25"

Racks by RF Mote



Aisle Containment

- Heavy gauge steel construction
- Modular design
- Contain hot or cold aisle
- Prevent air mixing
- Works with all RF Mote cabinet series
- Customizable solution for 3rd party cabinets



Data Center Cages

- Heavy gauge steel construction
- Modular design
- Peforated panels
- Configurable walls (12" increments)
- Field reversable doors (swing or sliding)

Racks

Racks & Enclosures

Racks by RF Mote (Cont'd)

Floor Standing Cabinets



Floor Standing Racks

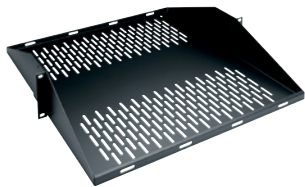


Wall Mount Enclosures



Product Type	Series	Width(s)	Depth(s)	Height Range	Mounting
Cabinet	Economy	22.5", 26.5", 33", 36"	30", 36", 42"	83" & 90"	19" & 23"
	Universal	24", 30", 36", 48"	24", 30", 36", 42", 48"	35" - 90"	19" & 23"
	Server	24", 30", 36", 48"	24", 30", 36", 42", 48"	35" - 90"	19" & 23"
	Wall Mount	30"	20" (Horiz. Racking)	22.25" - 48"	19"
	Wall Mount (Low Profile)	24"	26" (Vert. Racking)	7.5" - 11"	19"
Rack	2-Post Rack	19" & 23" EIA	-	35" - 90"	19" & 23"
	4-Post Rack	19" & 23" EIA	Adj. 25.5" - 42"	35" - 90"	19" & 23"

Rack Accessories



Rack Shelves

- Blank Panels
- Vent Panels
- Adjustable and Sliding Rackshelves
- Rackmount Storage
- Essex Accessories



Horizontal Cable Management

- Rackmount Computer Products
- Connector Panels
- Security Options
- Hardware and Fasteners
- Cable Ladders



Thermal Management

- Vertical Cable Management
- Lighting
- External Vertical Cable Ducts

Power Products

UPS & Rackmount Power



Power by Middle Atlantic



UPS-2200R

**Premium Series
UPS Rackmount Power**

- 8 Outlet, 2150VA/1650W
- Fast 4 millisecond transfer time for no system disruption
- Automatic Voltage Regulation
- Hot swappable battery
- Additional models available



PD-2020R-NS

**Multi-Mount
Rackmount Power**

- 20 Outlet, 20A
- Horizontal & vertical mounts
- Shallow 4" depth
- Varied outlet orientation to accommodate many plug styles
- 9' cord



PDT-2020C-NS

**Vertical Power Distribution
Low Profile Strip**

- 20 Outlet, 20A
- Compact design minimizes rack space use
- Fast, easy mounting
- 9' cord
- Additional models available

Power Connectors

Neutrik powerCON

Neutrik's circular connector solution for industrial applications, the powerCON is reliable and easy to use due to its quick-lock system. Common applications include measurement and test and control.



Connector Type	Series*	Key Features and Options
Cable	Locking 16A Single Phase	Inlet and Outlet connectors, Male or Female CBC, screw terminals, IP65
	Locking 3 Pole 32A	Contacts for line, neutral, and pre-mating safety ground. Fast and easy locking system. Quick lock with securing lever, screw terminals
	Locking 16A Single Phase	Male or female, 1/4" flat tab or screw terminals, power outlet, Duplex version available
Chassis	Locking 3 Pole 32A	A-type for power inlet or B-type for power outlet, flat tab terminals. Available without insulation divider. Fast and easy locking system, screw-type terminals.

*Information on complete Neutrik part numbers can be found on page 25.

Power Cords



- Power Extension Cords
- Figure-8 Power Cables
- IEC C13 & C14 Computer Cables

Power Products

Portable Power Cord

Product Type	Manufacturer	Voltage	Max Temperature	Item Number	Gauge	Strands
Entertainment & Stage Lighting Cable, UL Type SC and CSA Type PPC	General Cable	600V	105°C	01101	4/0	2090/30
	General Cable	600V	105°C	01103	2/0	1290/30
	General Cable	600V	105°C	01104	1/0	1056/30
	General Cable	600V	105°C	01107	4	416/30
	General Cable	600V	105°C	01108	6	259/30
Single Conductor Type W Extra-Flex Cable	General Cable	2000V	90°C	80691	4/0	2062/30
	General Cable	2000V	90°C	80671	2/0	1316/30
	General Cable	2000V	90°C	80661	1/0	1042/30
	General Cable	2000V	90°C	80631	4	416/30
	General Cable	2000V	90°C	80621	6	259/30
Type SJOOW Cord, 4AWG	General Cable	300V	105°C	02603	18	41/34
	General Cable	300V	105°C	02606	16	65/34
Type SOOW, 4AWG	General Cable	600V	105°C	02633	18	41/34
	General Cable	600V	105°C	02636	16	65/34

Additional Stage Lighting Cable

Power Cable & Portable Cord

Flat PVC Festoon Cable

600V, 105°C
PVC Insulation/PVC Jacket
Approvals: VW-1, FT1

SJOOW & SOOW

300V & 600V, 90°C & 105°C
EPDM Insulation / CPE Jacket
Approvals: FT1

Type W - Single Conductor

600V/2kV, 90°C
EPDM Insulation/CPE Jacket
Approvals: FT1, FT5, RHH/RHW, MSHA

Type SC Stage Lighting Cable

600V, 105°C
CPE Jacket
Approvals: UL, CSA PPC, MSHA

SJTOW & STOW

300V & 600V, 105°C
PVC Insulation / PVC Jacket
Approvals: FT2, <HAR>, VDE

SJEOOW & SEOWW

300V & 600V, 105°C
TPE Insulation / TPE Jacket
Approvals: FT2

Type W - Multi-Conductor

2kV, 90°C
EPDM Insulation/CPE Jacket
Approvals: FT4, FT5, TC/TC-ER, ICEA, MSHA

Lead Wire

UL 1007/1569

300V, 80°C/105°C
PVC Insulation
Approvals: CSA TR-64, AWM

UL 3173/3195/3196

600V, 125°C
XLPE Insulation
Approvals: CSA AWM, FT2

UL 1015/1230

600V, 105°C
PVC Insulation
Approvals: MTW, VW-1, CSA AWM/TEW, FT1

SRML 3122/SF-1

300V, 200°C
Silicone Insulation/Fiberglass Braid Jacket
Approvals: VW-1, CSA AWM/SEW-1/SEWF-1, FT2

UL 1180

300V, 200°C
PTFE Insulation
Approvals: CSA AWM, FT1

TFFN/TFN

600V, 90°C
PVC Insulation/Nylon Jacket
Approvals: CSA AWM/TEWN

Hardware & Cable Management

Hardware

Tools



Crimp Tools, Strippers, Testers, Breakout Boxes

- Platinum Tools
- General Cable
- Greenlee Textron

Plates



Wall Plates, Single Gang Plates, Pass-Thru Plates

- Belden
- C2G
- Hubbell-Canada

Identification Products



Printers, Software, Labels, Markers

- Brady
- Hellermann Tyton
- Dunbar
- Panduit
- Sumitomo

Protective Sleeving

Techflex's line of high-quality sleeving now includes products for blue and green screens, wall mounting, hiding and protecting exposed cables along the floor, extreme abrasion and cut resistance, interference filtering, and color coding snake cables.



Flexo F6 Braided Sleeving

Techflex's Flexo F6 is a semi-rigid braided sleeve primarily designed to ease the installation process. Available in 4 colors, the Flexo F6 can accommodate tight radii and provides coverage around inline plugs and connectors.



Key Features

- Woven, Split Tubular Harness Wrap
- High Coverage
- Easy, Cost Effective Installation
- Cut and Abrasion Resistant
- Cuts Cleanly with Scissors

Nominal Size	Sleeving Part Number	Tool Part Number	Lbs. / 100'
0.5"	F6N0.50	INN0.500R	1.40
1.0"	F6N1.00	INN1.000R	2.00
1.5"	F6N1.50	INN1.500R	2.70
2"	F6N2.00	-	3.60

Wire Management

Cable Ties & Accessories



Clips, Clamps, Mounts, Grip Ties

- ACT
- HellermannTyton
- Panduit
- Qualtek

Tape & Adhesives



Vinyl, Insulating & Specialty

- 3M

Supplier Smart Part Number Builds

Belden

Many Belden item numbers follow a smart structure to convert a product series to a specific, orderable material. Using 1694A 006U1000 as an example, the general formula for their cabling is below.

Item Number **Color Code** **Packaging*** **Putup**
1694A + **006** + **U** + **1000**
Non Plenum RG6 **in Lt Blue** **Box** **at 1000'**

Selected Belden Color Codes**

Code	Color	Code	Color
D15	Blue	006	Lt Blue
002	Red	007	Purple
003	Orange	008	Gray
004	Yellow	009	White
005	Green	010	Black

*Packaging options include Reels (no code), Box ('U'), and Reel in a Box ('A').

**Color codes are subject to change without notice.

Neutrik

Neutrik uses a smart structure for their part numbers. Their complete breakdown is below.



NEUTRIK

NC3FAH1-B-0-D

Packaging:	D	Cable connector: bulk packed
Assembly:	D	Chassis connector: disassembled push latch
Retention:	w/o	Latch lock
	-0	Retention spring
Shell:	B	Black shell, gold contacts
	BAG	Black shell, silver contacts
Grounding:	0	Separate ground contact connected to shell, male only
	1	Pin 1 & panel & shell connected, no separate ground contact
	2	Separate ground contact connected to shell & panel, separate Pin 1
	E	Additional ground contacts
	w/o number	No ground /shell contact (except 4/5 pole), female only
Termination:	H	Horizontal PCB mount
	HL	Lateral left PCB mount
	HR	Lateral right PCB mount
	L	Solder cups
	V	Verticale PCB mount
	Y	IDC for wires (no ground)
	M3	Mounting holes with M3 thread
	M25	Mounting holes with M2.5 thread
	-	Not applicable
Series:	A, AA, B, D, DL, DLX, MPR, P, PX, RX, X, XX	
Gender:	F	Female
	M	Male
Number of Contacts:	2, 3, 4, 5, 6, 7, 8, 12	
Connector Type:	A	Adapter
	AC	powerCON®
	B	BNC
	C	XLR
	D	dummyPLUG
	E	etherCON® - RJ45
	F	RCA / CINCH
	J (MJ, RJ, SJ)	Jack
	K	Cable Assembly
	L	speakON® - Loudspeaker
	M	Module
	O	opticalCON® - Fiber Optic Connector
	P	Plug
	PP	Patch Panel
	R	Circular Connector
	T	Transformer



Our Purpose

IEWC's Broadcast & Communications division focuses on total interconnect solutions for technology integrators around the globe. We are exclusively dedicated to eliminating the challenges those companies face daily. Our customer base encompasses the entirety of the global Broadcast and ProAV markets including:

- Systems Integrators
- Electrical Contractors
- Telecom / Carriers
- Institutions
- Broadcasters
- Outside/Mobile Broadcasting
- Event Services
- End-Users

As a crucial component to our customers' supply chains, we cannot grow unless they grow. While our primary function is delivering the right product at the right time, our formal services are tailored to helping maximize our customers' profitability through efficiency and shrinking their total procurement costs.



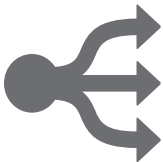
Inventory Management

Let IEWC keep the inventory cost while you maintain the flexibility. We cater to our customers' business needs with services like VMI and consignment.



Global Logistics

IEWC's distribution network includes over 25 stocking locations, enabling us to minimize our delivery times across the globe.



Value-Add Product Services

IEWC performs traditional cable services and has in-house custom assembly production, including Neutrik and Lemo certified assemblers.



Project Staging

There is rarely enough space on site to house all project materials. IEWC will work with you to only deliver the products when needed.



Team Service / Sole Contact

Every IEWC customer has a team supporting it, but each one receives the benefit of a sole point of contact.



Vendor Consolidation

As AV infrastructure evolves, the list of product solutions grows. IEWC distributes for hundreds of manufacturers. Let us absorb the cost associated with that research and relationship management.

Beyond these traditional distribution services, IEWC's passion for AV shines through in our committed team. Our staff includes a CTS and a RCDD enabling us to provide design consultation services. Our extensive network of manufacturing partners ensures we're consistently at the forefront of this technologically forward industry. With IEWC, you'll always be on the air.

About Us



IEWC is a premier supplier of total connectivity solutions for manufacturers, sub-assemblers, contractors, integrators and end-users around the world. We stock a wide range of materials available for same day shipment, from cables to racks, providing a complete interconnect solution for a variety of markets. We have been serving the Broadcast and AV markets for over 50 years, working collaboratively *with* our customers to offer complete solutions for their cable, connectivity, and signal management needs.

As our long-time customers will tell you, the IEWC difference is in our people. IEWC's "Your Team" approach offers an unparalleled customer experience that will support the success of your project and help ensure the growth of your company.

Discover the difference when IEWC is part of "Your Team".

go further with yourteam



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