



Safely carry low-voltage power and data across long distances to remote locations

FiberExpress (FX) Hybrid Copper-Fiber Cables allow end-users to take advantage of DC power and fiber in one cable to safely deliver low-voltage power and data over long distances to remote locations where standard power is unavailable or too costly to install. Hybrid cable technology offers installation and labor savings by requiring just a single cable pull. Various cable constructions offer unlimited application flexibility.



BENEFITS

- Deliver more power across much longer distances than Power over Ethernet (PoE)
- Bring power and data to low-voltage applications across long distances
- Reduce inventory by stocking and managing one cable vs. two cables
- Pull a single cable vs. two cables, reducing labor costs and installation time



FEATURES

- Fiber and copper combined in a single cable for data and power delivery
- Flexible design for indoor or indoor/outdoor (plenum and riser) applications
- Easy ordering and cable identification; allows for tailored products with specific conductor, fiber strand, color or length requirements



KEY APPLICATIONS

- DAS
- Entrance space
- Ethernet
- Field-term
- POL/PON
- Pre-term
- Telecommunications room
- Professional AV

Remote Power Delivery Systems

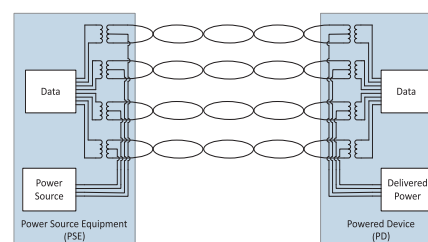
DC Systems



Low-Medium Power (15-100W)
Medium Distance (up to 1000 m)

Belden Solutions:
New Gen + Fiber Cable
Hybrid Cable
Fiber Connectivity

PoE



Low-Medium Power (15-100W max)
Short Distance (100 m max)

Belden Solutions:
Category Cable
REVConnect®

Ordering Information

Standard FX Hybrid Copper-Fiber Cables

# Conductors x AWG	Belden Part Number					
	OM3		OM4		OS2	
	Breakout (2F)	Distribution (6F)	Breakout (2F)	Distribution (6F)	Breakout (2F)	Distribution (6F)
Indoor Plenum						
2 x 14	HI3B0020214PC	HI3D0060214PJ	HI4B0020214PC	HI4D0060214PJ	HISB0020214PC	HISD0060214PJ
2 x 16	HI3B0020216PC	HI3D0060216PJ	HI4B0020216PC	HI4D0060216PJ	HISB0020216PC	HISD0060216PJ
2 x 18	HI3B0020218PC	HI3D0060218PJ	HI4B0020218PC	HI4D0060218PJ	HISB0020218PC	HISD0060218PJ
Indoor/Outdoor Plenum						
2 x 14	HD3B0020214PC	HD3D0060214PJ	HD4B0020214PC	HD4D0060214PJ	HDSB0020214PC	HDS0060214PJ
2 x 16	HD3B0020216PC	HD3D0060216PJ	HD4B0020216PC	HD4D0060216PJ	HDSB0020216PC	HDS0060216PJ
2 x 18	HD3B0020218PC	HD3D0060218PJ	HD4B0020218PC	HD4D0060218PJ	HDSB0020218PC	HDS0060218PJ
Indoor Riser						
2 x 14	HI3B0020214RB	HI3D0020214RJ	HI4B0020214RB	HI4D0020214RJ	HISB0020214RB	HISD0020214RJ
2 x 16	HI3B0020216RB	HI3D0020216RJ	HI4B0020216RB	HI4D0020216RJ	HISB0020216RB	HISD0020216RJ
2 x 18	HI3B0020218RB	HI3D0020218RJ	HI4B0020218RB	HI4D0020218RJ	HISB0020218RB	HISD0020218RJ
Indoor Riser AIA						
2x14	HI3B0020214FB	HI3D0060214FJ	HI4B0020214FB	HI4D0060214FJ	HISB0020214FB	HISD0060214FJ
2x16	HI3B0020216FB	HI3D0060216FJ	HI4B0020216FB	HI4D0060216FJ	HISB0020216FB	HISD0060216FJ
2x18	HI3B0020218FB	HI3D0060218FJ	HI4B0020218FB	HI4D0060218FJ	HISB0020218FB	HISD0060218FJ
Indoor/Outdoor Riser AIA						
2x14	HD3B0020214FC	HD3D0060214FJ	HD4B0020214FC	HD4D0060214FJ	HDSB0020214FC	HDS0060214FJ
2x16	HD3B0020216FC	HD3D0060216FJ	HD4B0020216FC	HD4D0060216FJ	HDSB0020216FC	HDS0060216FJ
2x18	HD3B0020218FC	HD3D0060218FJ	HD4B0020218FC	HD4D0060218FJ	HDSB0020218FC	HDS0060218FJ
Indoor Riser LSZH*						
2x14	-	HI3D0060214LJ	-	HI4D0060214LJ	-	HISD0060214LJ
2x16	-	HI3D0060216LJ	-	HI4D0060216LJ	-	HISD0060216LJ
2x18	-	HI3D0060218LJ	-	HI4D0060218LJ	-	HISD0060218LJ
Indoor/Outdoor Riser LSZH*						
2x14	-	HD3D0060214LJ	-	HD4D0060214LJ	-	HDS0060214LJ
2x16	-	HD3D0060216LJ	-	HD4D0060216LJ	-	HDS0060216LJ
2x18	-	HD3D0060218LJ	-	HD4D0060218LJ	-	HDS0060218LJ

* Additional configurations coming soon.

Tailored FX Hybrid Copper-Fiber Cables

Building a SmartPart Number

1. Choose FX Fiber Cable

HI

FX Fiber Cable	Description
HI	Indoor Hybrid Cable
HD	Indoor/Outdoor Hybrid Cable

2. Choose Fiber Type

S

Fiber Type	Description
1	OM1
3	OM3
4	OM4
S	OS2 (G.657.A1)
B	G.657.A2/B2
C	G.657.B3

3. Choose Family

D

Family	Description
B	Breakout
D	Distribution

4. Choose Fiber Count

006

Fiber Count	Description
Breakout	
001	1 Fiber
002	2 Fibers
Distribution	
006	6 Fibers

5. Choose Conductor Count

02

Conductor Count	Description
02	2 Conductors

6. Choose Copper Type

14

Copper Type	Description
12	12 AWG
14	14 AWG
16	16 AWG
18	18 AWG
20	20 AWG

7. Choose Fire Rating

R

Fire Rating	Description
P	Plenum
R	Riser
F	Riser AIA
L	Riser LSZH

8. Choose Sub-Unit Type/ Configuration

J

Sub-Unit Type/ Configuration	Description
B	2.0 mm Sub (1F x 900 µm)
Breakout	
C	3.0 mm Sub (1F x 900 µm)
Distribution	
J	1 Fiber Distribution Tube (900 µm)

For an exhaustive selection, contact Belden customer service or your local Belden representative for more details.

Examples:

HI3D0060214RJ - FX Hybrid Indoor, OS2, Distribution, 6 Fibers, 02 x 14 AWG, CL3R-OF, 4.5 mm Sub x 900 µm, Yellow Jacket

HI4D0020212PJ - FX Hybrid Indoor, OM4, Distribution, 2 Fibers, 02 x 12 AWG, CL3P-OF, 4.5 mm Sub x 900 µm, Erika Violet Jacket

For more information, call
1.800.BELDEN.1 (1.800.235.3361) or visit
www.belden.com/hybrid-cables

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