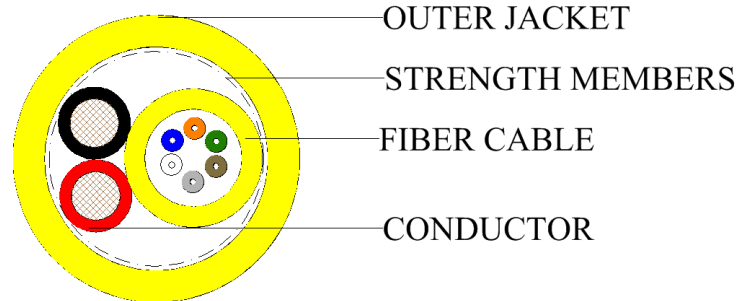




FiberExpress (FX) Hybrid Copper-Fiber Cables allow end-users to take advantage of DC power and fiber in one cable to safely deliver low-voltage power and data over long distances to remote locations where standard power is unavailable or too costly to install. Hybrid cable technology offers installation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

Standards:

- ICEA S-120-742
- RoHS
- ANSI/TIA-568-C.3



	Temperature Range	
	Riser	Plenum
Operating	-20°C to +70°C -4°F to +158°F	0°C to +70°C 32°F to +158°F
Storage	-40°C to +70°C -40°F to +158°F	-40°C to +70°C -40°F to +158°F
Installation	-10°C to +60°C 14°F to +140°F	0°C to +60°C 32°F to +140°F

Glass Type	Fiber Grade Code (x)	Subunit and Jacket Color	Operating Wavelength (nm)	Max Attenuation (dB/km)	Min. OFL Bandwidth (MHz-km)	Min. Laser Bandwidth (MHz-km)	1 Gigabit Ethernet Min. Link Length (meters)	10 Gigabit Ethernet Min. Link Length (meters)
OM3 - 50/125mm Multi-Mode	3	Aqua	850/1300	3.0/1.0	1500/500	2000/-	1000/550	300/-
OM4 - 50/125mm Multi-Mode	4	Erika Violet	850/1300	3.0/1.0	3500/500	4700/-	1100/550	400/-
OS2 - Single Mode	S	Yellow	1310/1550	0.5/0.5	-	-	5000/-	10,000/40,000

OM2 Fiber available upon Request

Riser - UL Type CL3R-OF

AWG Size	Fiber Count	Part Number ¹	Jacket Color	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbs (N)	Max. Long Term Load lbs (N)
12	2	HIxD0020212RJ	See Table	0.355 (9.0)	82 (122)	300 (1330)	90 (400)
12	4	HIxD0040212RJ	See Table	0.358 (9.1)	84 (125)	300 (1330)	90 (400)
12	6	HIxD0060212RJ	See Table	0.409 (10.4)	88 (131)	300 (1330)	90 (400)
14	2	HIxD0020214RJ	See Table	0.341 (8.7)	60 (89)	300 (1330)	90 (400)
14	4	HIxD0040214RJ	See Table	0.358 (9.1)	63 (94)	300 (1330)	90 (400)
14	6	HIxD0060214RJ	See Table	0.378 (9.6)	66 (98)	300 (1330)	90 (400)

¹ Substitute (x) with Fiber Grade Code

Riser - UL Type CMR-OF

AWG Size	Fiber Count	Part Number ¹	Jacket Color	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbs (N)	Max. Long Term Load lbs (N)
16	2	HIxD0020216RJ	See Table	0.326 (8.3)	50 (74)	300 (1330)	90 (400)
16	4	HIxD0040216RJ	See Table	0.343 (8.7)	53 (79)	300 (1330)	90 (400)
16	6	HIxD0060216RJ	See Table	0.363 (9.2)	56 (83)	300 (1330)	90 (400)
18	2	HIxD0020218RJ	See Table	0.316 (8.0)	45 (67)	300 (1330)	90 (400)
18	4	HIxD0040218RJ	See Table	0.331 (8.4)	48 (71)	300 (1330)	90 (400)
18	6	HIxD0060218RJ	See Table	0.349 (8.9)	50 (74)	300 (1330)	90 (400)
20	2	HIxD0020220RJ	See Table	0.309 (7.8)	39 (58)	300 (1330)	90 (400)
20	4	HIxD0040220RJ	See Table	0.325 (8.3)	41 (61)	300 (1330)	90 (400)
20	6	HIxD0060202RJ	See Table	0.345 (8.8)	44 (65)	300 (1330)	90 (400)

¹ Substitute (x) with Fiber Grade Code

Riser - UL Type CL3R-OF - Aluminum Interlocking Armor

AWG Size	Fiber Count	Part Number ¹	Jacket Color	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbs (N)	Max. Long Term Load lbs (N)
12	2	HIxD0020212FJ	See Table	0.614 (15.6)	180 (268)	300 (1330)	90 (400)
12	4	HIxD0040212FJ	See Table	0.614 (15.6)	182 (271)	300 (1330)	90 (400)
12	6	HIxD0060212FJ	See Table	0.664 (16.9)	195 (290)	300 (1330)	90 (400)
14	2	HIxD0020214FJ	See Table	0.594 (15.1)	154 (229)	300 (1330)	90 (400)
14	4	HIxD0040214FJ	See Table	0.614 (15.6)	161 (240)	300 (1330)	90 (400)
14	6	HIxD0060214FJ	See Table	0.634 (16.1)	168 (250)	300 (1330)	90 (400)

¹ Substitute (x) with Fiber Grade Code

Riser - UL Type CMR-OF - Aluminum Interlocking Armor

AWG Size	Fiber Count	Part Number ¹	Jacket Color	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbs (N)	Max. Long Term Load lbs (N)
16	2	HIxD0020216FJ	See Table	0.584 (14.8)	142 (211)	300 (1330)	90 (400)
16	4	HIxD0040216FJ	See Table	0.594 (15.1)	147 (219)	300 (1330)	90 (400)
16	6	HIxD0060216FJ	See Table	0.614 (15.6)	154 (229)	300 (1330)	90 (400)
18	2	HIxD0020218FJ	See Table	0.574 (14.6)	135 (201)	300 (1330)	90 (400)
18	4	HIxD0040218FJ	See Table	0.584 (14.8)	140 (208)	300 (1330)	90 (400)
18	6	HIxD0060218FJ	See Table	0.604 (15.3)	146 (217)	300 (1330)	90 (400)
20	2	HIxD0020220FJ	See Table	0.564 (14.3)	128 (190)	300 (1330)	90 (400)
20	4	HIxD0040220FJ	See Table	0.584 (14.8)	133 (198)	300 (1330)	90 (400)
20	6	HIxD0060202FJ	See Table	0.604 (15.3)	140 (208)	300 (1330)	90 (400)

¹ Substitute (x) with Fiber Grade Code

Plenum - UL Type CL3P-OF

AWG Size	Fiber Count	Part Number ¹	Jacket Color	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbs (N)	Max. Long Term Load lbs (N)
12	2	HIxD0020212PJ	See Table	0.362 (9.2)	62 (92)	300 (1330)	90 (400)
12	4	HIxD0040212PJ	See Table	0.379 (9.6)	66 (98)	300 (1330)	90 (400)
12	6	HIxD0060212PJ	See Table	0.399 (10.1)	69 (103)	300 (1330)	90 (400)
14	2	HIxD0020214PJ	See Table	0.352 (8.9)	57 (85)	300 (1330)	90 (400)
14	4	HIxD0040214PJ	See Table	0.367 (9.3)	60 (89)	300 (1330)	90 (400)
14	6	HIxD0060214PJ	See Table	0.385 (9.8)	63 (94)	300 (1330)	90 (400)

¹ Substitute (x) with Fiber Grade Code

Plenum - UL Type CMP-OF

AWG Size	Fiber Count	Part Number ¹	Jacket Color	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbs (N)	Max. Long Term Load lbs (N)
16	2	HIxD0020216PJ	See Table	0.321 (8.2)	54 (80)	300 (1330)	90 (400)
16	4	HIxD0040216PJ	See Table	0.312 (7.9)	52 (77)	300 (1330)	90 (400)
16	6	HIxD0060216PJ	See Table	0.325 (8.3)	54 (80)	300 (1330)	90 (400)
18	2	HIxD0020218PJ	See Table	0.309 (7.8)	48 (71)	300 (1330)	90 (400)
18	4	HIxD0040218PJ	See Table	0.300 (7.6)	46 (68)	300 (1330)	90 (400)
18	6	HIxD0060218PJ	See Table	0.317 (8.1)	48 (71)	300 (1330)	90 (400)
20	2	HIxD0020220PJ	See Table	0.301 (7.6)	41 (61)	300 (1330)	90 (400)
20	4	HIxD0040220PJ	See Table	0.292 (7.4)	39 (58)	300 (1330)	90 (400)
20	6	HIxD0060202PJ	See Table	0.308 (7.8)	42 (63)	300 (1330)	90 (400)

¹ Substitute (x) with Fiber Grade Code

Plenum - UL Type CL3P-OF - Aluminum Interlocking Armor

AWG Size	Fiber Count	Part Number ¹	Jacket Color	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbs (N)	Max. Long Term Load lbs (N)
12	2	HIxD0020212AJ	See Table	0.614 (15.6)	167 (249)	300 (1330)	90 (400)
12	4	HIxD0040212AJ	See Table	0.634 (16.1)	175 (260)	300 (1330)	90 (400)
12	6	HIxD0060212AJ	See Table	0.654 (16.6)	182 (271)	300 (1330)	90 (400)
14	2	HIxD0020214AJ	See Table	0.604 (15.3)	160 (238)	300 (1330)	90 (400)
14	4	HIxD0040214AJ	See Table	0.624 (15.8)	167 (249)	300 (1330)	90 (400)
14	6	HIxD0060214AJ	See Table	0.644 (16.4)	174 (259)	300 (1330)	90 (400)

¹ Substitute (x) with Fiber Grade Code

Plenum - UL Type CMP-OF - Aluminum Interlocking Armor

AWG Size	Fiber Count	Part Number ¹	Jacket Color	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbs (N)	Max. Long Term Load lbs (N)
16	2	HIxD0020216AJ	See Table	0.574 (14.6)	151 (225)	300 (1330)	90 (400)
16	4	HIxD0040216AJ	See Table	0.564 (14.3)	147 (219)	300 (1330)	90 (400)
16	6	HIxD0060216AJ	See Table	0.584 (14.8)	153 (228)	300 (1330)	90 (400)
18	2	HIxD0020218AJ	See Table	0.564 (14.3)	143 (213)	300 (1330)	90 (400)
18	4	HIxD0040218AJ	See Table	0.554 (14.1)	139 (207)	300 (1330)	90 (400)
18	6	HIxD0060218AJ	See Table	0.574 (14.6)	145 (216)	300 (1330)	90 (400)
20	2	HIxD0020220AJ	See Table	0.554 (14.1)	134 (199)	300 (1330)	90 (400)
20	4	HIxD0040220AJ	See Table	0.544 (13.8)	130 (193)	300 (1330)	90 (400)
20	6	HIxD0060202AJ	See Table	0.564 (14.3)	137 (204)	300 (1330)	90 (400)

¹ Substitute (x) with Fiber Grade Code

STANDARD

FX Fiber Cable		Fiber Type		Family		Fiber Count		Conductor Count		Copper Type		Flammability		Subunit Type / Configuration	
HI	Indoor Hybrid Cable	3	OM3	D	Distribution	002	2 Fibers	02	2 Conductors	12	12 AWG	P	Plenum (OFNP)	J	COPPER: Stranded or Category Cable FIBER: Up to 6 x 900um Fibers
		4	OM4			004	4 Fibers			14	14 AWG	R	Riser (OFNR)		
		S	OS2 (G.657.A1)			006	6 Fibers			16	16 AWG	F	Riser Interlocked Aluminum Armor (OFCR)		
						18	18 AWG			A	Plenum Interlocked Aluminum Armor				
												20	20 AWG		