



Indoor LSZH Hybrid Distribution Cables

Revision Number: 0 Revision Date: 7.8.20

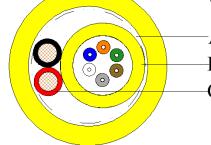


Fiber *Express* (FX) Hybrid Copper-Fiber Cables allow endusers to take advantage of DC power and fiber in one cable to safely deliver low-voltage power and data over long distances to remote locations where standard power is unavailable or too costly to install. Hybrid cable technology offers installation 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									
Operating	-20°C to +70°C -4°F to +158°F								
Storage	-40° C to $+70^{\circ}$ C -40° F to $+158^{\circ}$ F								
Installation	-10 [°] C to +60 [°] C 14 [°] F to +140 [°] F								



OUTER JACKET

-ARAMID YARNS FIBER CABLE -CONDUCTOR

	Grade Subunit and Operating Max Min. OF e (x) Jacket Color (nm) (dB/km) (MHz-kr		Bandwidth (MHz-km)	Bandwidth (MHz-km)	Min. Link Length (meters)	10 Gigabit Ethernet Min. Link Length (meters)	
3	Aqua	850/1300	3.0/1.0	1500/500	2000/-	1000/550	300/-
4	Erika Violet	850/1300	3.0/1.0	3500/500	4700/-	1100/550	400/-
S	Yellow	1310/1550	0.5/0.5	-	-	5000/-	10,000/40,000
r	4 S	4 Erika Violet	4 Erika Violet 850/1300 S Yellow 1310/1550	4 Erika Violet 850/1300 3.0/1.0 S Yellow 1310/1550 0.5/0.5	4 Erika Violet 850/1300 3.0/1.0 3500/500 S Yellow 1310/1550 0.5/0.5 -	4 Erika Violet 850/1300 3.0/1.0 3500/500 4700/- S Yellow 1310/1550 0.5/0.5 - -	4 Erika Violet 850/1300 3.0/1.0 3500/500 4700/- 1100/550 S Yellow 1310/1550 0.5/0.5 - - 5000/-

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	Riser - UL Type CL3R-OF												
AWG Size	Fiber Count	Fiber Count Part Number ¹		Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbs (N)	Max. Long Term Load lbs (N)						
12	2	HIxD0020212LJ	See Table	0.414 (10.5)	104 (155)	600 (2700)	180 (810)						
12	4	HIxD0040212LJ	See Table	0.417 (10.6)	1112 (166)	600 (2700)	180 (810)						
12	6	HIxD0060212LJ	See Table	0.468 (11.9)	115 (171)	600 (2700)	180 (810)						
14	2	HIxD0020214LJ	See Table	0.400 (10.2)	85 (126)	600 (2700)	180 (810)						
14	4	HIxD0040214LJ	See Table	0.412 (10.5)	87 (130)	600 (2700)	180 (810)						
14	6	HIxD0060214LJ	See Table	0.437 (11.1)	92 (138)	600 (2700)	180 (810)						
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	HIxD0020216LJ	See Table	0.385 (9.8)	72 (107)	600 (2700)	180 (810)						
16	4	HIxD0040216LJ	See Table	0.402 (10.2)	75 (113)	600 (2700)	180 (810)						
16	6	HIxD0060216LJ	See Table	0.422 (10.7)	80 (120)	600 (2700)	180 (810)						
18	2	HIxD0020218LJ	See Table	0.375 (9.5)	59 (88)	600 (2700)	180 (810)						
18	4	HIxD0040218LJ	See Table	0.390 (9.9)	63 (94)	600 (2700)	180 (810)						
18	6	HIxD0060218LJ	See Table	0.408 (10.4)	68 (101)	600 (2700)	180 (810)						
20	2	HIxD0020220LJ	See Table	0.368 (9.3)	58 (87)	600 (2700)	180 (810)						
20	4	HIxD0040220LJ	See Table	0.384 (9.8)	63 (93)	600 (2700)	180 (810)						
20	6	HIxD0060202LJ	See Table	0.404 (10.3)	68 (101)	600 (2700)	180 (810)						

1 Substitute (x) with Fiber Grade Code

	STANDARD														
1	FX Fiber Cable Fiber Type		Family Fi		Fiber	Fiber Count		Conductor Count		Copper Type		Flammability		Subunit Type / Configuration	
HD	Indoor Hybrid Cable	3	ОМЗ	D	Distribution	002	2 Fibers	02	2 Conductors	12	12 AWG	L	LSZH (CMR-OF / CL3R-OF)	J	COPPER: Stranded or Category Cable FIBER: One Sub Unit of Fiber
		4	OM4			004	4 Fibers			14	14 AWG				
		S	OS2 (G.657.A1)			006	6 Fibers			16	16 AWG				
										18	18 AWG				
										20	20 AWG				

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