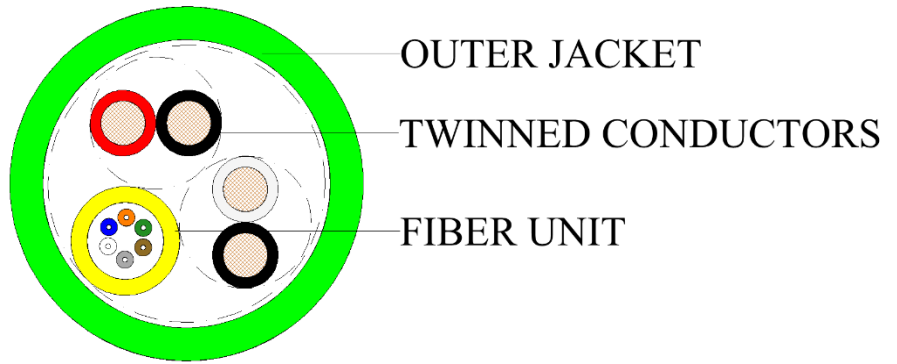




Belden’s Fault-Managed Power System (FMPS) Cables are the industry’s first cables designed and UL listed for Class 4 cabling. They safely carry power at higher levels and across longer distances while reducing infrastructure costs. Transmitters and receivers constantly monitor line conditions to make sure power pulses are properly received. If a problem is detected, power distribution stops immediately to protect people and equipment.

Standards:

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



	Temperature Range	
	Plenum	LSZH
Operating	0°C to +70°C	-20°C to +70°C
Storage	-40°C to +70°C	-40°C to +70°C
Installation	0°C to +60°C	-10°C to +60°C

Glass Type	Fiber Grade Code	Subunit 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)
OS2 - Single Mode	S	Yellow	1310/1550	0.5/0.5	-	-	5000/-	10,000/40,000
OM3 - 50/125 Multi-Mode	3	Aqua	850/1300	3.0/1.0	1500/500	2000/-	1000/550	300/-
OM4 - 50/125 Multi-Mode	4	Erika Violet	850/1300	3.0/1.0	3500/500	4700/-	1100/550	550/-
OM4 - 50/125 Multi-Mode	5	Lime Green	850/1300	3.0/1.0	3500/500	4700/-	1100/550	550/-

OM1 and OM2 fiber available upon request

Breakout (3mm) Style Plenum - UL Type CL4P-OF, CMP-OF

AWG Size	Pair Count	Fiber Count	Part Number Substitute (*) with fiber grade code	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbf (N)	Max. Long Term Load lbf (N)	Maximum Mutual Capacitance (pF/ft)
16	2	2	DHIP162U*B02C	0.410 (10.4)	83 (123)	600 (2670)	180 (800)	30
16	4	2	DHIP164U*B02C	0.526 (13.4)	99 (148)	600 (2670)	180 (800)	30
16	8	2	DHIP168U*B02C	0.661 (16.8)	238 (355)	600 (2670)	180 (800)	30
18	2	2	DHIP182U*B02C	0.378 (9.6)	65 (97)	600 (2670)	180 (800)	30
18	4	2	DHIP184U*B02C	0.457 (11.6)	98 (146)	600 (2670)	180 (800)	30
18	8	2	DHIP188U*B02C	0.581 (14.8)	171 (254)	600 (2670)	180 (800)	30

*18 AWG cables are rated CL4P-OF -FMP (2.0A), CMP-OF

Breakout (2mm) Style Plenum - UL Type CL3P-OF, CMP-OF**

AWG Size	Pair Count	Fiber Count	Part Number Substitute (*) with fiber grade code	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbf (N)	Max. Long Term Load lbf (N)	Maximum Mutual Capacitance (pF/ft)
16	2	2	DHIP162U*B02B	0.392 (10.0)	75 (112)	600 (2670)	180 (800)	30
16	4	2	DHIP164U*B02B	0.512 (13.0)	134 (200)	600 (2670)	180 (800)	30
16	8	2	DHIP168U*B02B	0.687 (17.4)	235 (349)	600 (2670)	180 (800)	30
18	2	2	DHIP182U*B02B	0.340 (8.6)	57 (84)	600 (2670)	180 (800)	30
18	4	2	DHIP184U*B02B	0.422 (10.7)	90 (133)	600 (2670)	180 (800)	30
18	8	2	DHIP188U*B02B	0.589 (15.0)	165 (246)	600 (2670)	180 (800)	30

*18 AWG cables are rated CL4P-OF -FMP (2.0A), CMP-OF

Distribution Style Plenum - UL Type CL4P-OF, CMP-OF

AWG Size	Pair Count	Fiber Count	Part Number Substitute (*) with fiber grade code	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbf (N)	Max. Long Term Load lbf (N)	Maximum Mutual Capacitance (pF/ft)
16	2	2	DHIP162U*D02J	0.446 (11.3)	95 (141)	600 (2670)	180 (800)	30
16	2	6	DHIP162U*D06J	0.459 (11.7)	97 (144)	600 (2670)	180 (800)	30
16	2	12	DHIP162U*D12J	0.518 (13.2)	119 (178)	600 (2670)	180 (800)	30
16	4	2	DHIP164U*D02J	0.552 (14.0)	159 (236)	600 (2670)	180 (800)	30
16	4	6	DHIP164U*D06J	0.561 (14.2)	160 (238)	600 (2670)	180 (800)	30
16	4	12	DHIP164U*D12J	0.586 (14.9)	170 (253)	600 (2670)	180 (800)	30
16	8	2	DHIP168U*D02J	0.685 (17.4)	259 (385)	600 (2670)	180 (800)	30
16	8	6	DHIP168U*D06J	0.685 (17.4)	260 (387)	600 (2670)	180 (800)	30
16	8	12	DHIP168U*D12J	0.685 (17.4)	266 (396)	600 (2670)	180 (800)	30
18	2	2	DHIP182U*D02J	0.394 (10.0)	69 (103)	600 (2670)	180 (800)	30
18	2	6	DHIP182U*D06J	0.409 (10.4)	71 (106)	600 (2670)	180 (800)	30
18	2	12	DHIP182U*D12J	0.462 (11.7)	88 (131)	600 (2670)	180 (800)	30
18	4	2	DHIP184U*D02J	0.471 (12.0)	108 (160)	600 (2670)	180 (800)	30
18	4	6	DHIP184U*D06J	0.505 (12.8)	124 (184)	600 (2670)	180 (800)	30
18	4	12	DHIP184U*D12J	0.532 (13.5)	133 (198)	600 (2670)	180 (800)	30
18	8	2	DHIP188U*D02J	0.587 (14.9)	187 (278)	600 (2670)	180 (800)	30
18	8	6	DHIP188U*D06J	0.587 (14.9)	188 (280)	600 (2670)	180 (800)	30
18	8	12	DHIP188U*D12J	0.608 (15.4)	196 (292)	600 (2670)	180 (800)	30

*18 AWG cables are rated CL4P-OF -FMP (2.0A), CMP-OF

Breakout (3mm) Style LSZH Riser - UL Type CL4R-OF-ST1, CMR-OF-ST1 c(UL) FT4-ST1

AWG Size	Pair Count	Fiber Count	Part Number Substitute (*) with fiber grade code	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbf (N)	Max. Long Term Load lbf (N)	Maximum Mutual Capacitance (pF/ft)
16	2	2	DHIL162U*B02C	0.450 (11.4)	90 (133)	600 (2670)	180 (800)	30
16	4	2	DHIL164U*B02C	0.580 (14.7)	150 (224)	600 (2670)	180 (800)	30
16	8	2	DHIL168U*B02C	0.755 (19.2)	261 (388)	600 (2670)	180 (800)	30
18	2	2	DHIL182U*B02C	0.412 (10.5)	71 (106)	600 (2670)	180 (800)	30
18	4	2	DHIL184U*B02C	0.522 (13.3)	114 (169)	600 (2670)	180 (800)	30
18	8	2	DHIL188U*B02C	0.657 (16.7)	189 (281)	600 (2670)	180 (800)	30

*18 AWG cables are rated CL4R-OF-ST1-FMP (3.0A), CMR-OF

Breakout (2mm) Style LSZH Riser - UL Type CL4R-OF-ST1, CMR-OF-ST1 c(UL) FT4-ST1

AWG Size	Pair Count	Fiber Count	Part Number Substitute (*) with fiber grade code	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbf (N)	Max. Long Term Load lbf (N)	Maximum Mutual Capacitance (pF/ft)
16	2	2	DHIL162U*B02B	0.450 (11.4)	83 (124)	600 (2670)	180 (800)	30
16	4	2	DHIL164U*B02B	0.549 (14.0)	142 (211)	600 (2670)	180 (800)	30
16	8	2	DHIL168U*B02B	0.755 (19.2)	254 (378)	600 (2670)	180 (800)	30
18	2	2	DHIL182U*B02B	0.396 (10.1)	63 (94)	600 (2670)	180 (800)	30
18	4	2	DHIL184U*B02B	0.490 (12.5)	105 (156)	600 (2670)	180 (800)	30
18	8	2	DHIL188U*B02B	0.657 (16.7)	182 (272)	600 (2670)	180 (800)	30

*18 AWG cables are rated CL4R-OF-ST1-FMP (3.0A), CMR-OF

Distribution Style LSZH Riser - UL Type CL4R-OF-ST1, CMR-OF-ST1 c(UL) FT4-ST1

AWG Size	Pair Count	Fiber Count	Part Number Substitute (*) with fiber grade code	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbf (N)	Max. Long Term Load lbf (N)	Maximum Mutual Capacitance (pF/ft)
16	2	2	DHIL162U*D02J	0.483 (12.3)	97 (144)	600 (2670)	180 (800)	30
16	2	6	DHIL162U*D06J	0.511 (13.0)	105 (156)	600 (2670)	180 (800)	30
16	2	12	DHIL162U*D12J	0.573 (14.6)	116 (173)	600 (2670)	180 (800)	30
16	4	2	DHIL164U*D02J	0.585 (14.9)	153 (228)	600 (2670)	180 (800)	30
16	4	6	DHIL164U*D06J	0.605 (15.4)	160 (239)	600 (2670)	180 (800)	30
16	4	12	DHIL164U*D12J	0.649 (16.5)	171 (254)	600 (2670)	180 (800)	30
16	8	2	DHIL168U*D02J	0.755 (19.2)	263 (391)	600 (2670)	180 (800)	30
16	8	6	DHIL168U*D06J	0.755 (19.2)	269 (400)	600 (2670)	180 (800)	30
16	8	12	DHIL168U*D12J	0.755 (19.2)	276 (411)	600 (2670)	180 (800)	30
18	2	2	DHIL182U*D02J	0.440 (11.2)	75 (112)	600 (2670)	180 (800)	30
18	2	6	DHIL182U*D06J	0.477 (12.1)	86 (128)	600 (2670)	180 (800)	30
18	2	12	DHIL182U*D12J	0.542 (13.8)	99 (147)	600 (2670)	180 (800)	30
18	4	2	DHIL184U*D02J	0.527 (13.4)	117 (175)	600 (2670)	180 (800)	30
18	4	6	DHIL184U*D06J	0.549 (13.9)	124 (185)	600 (2670)	180 (800)	30
18	4	12	DHIL184U*D12J	0.597 (15.2)	134 (200)	600 (2670)	180 (800)	30
18	8	2	DHIL188U*D02J	0.657 (16.7)	191 (285)	600 (2670)	180 (800)	30
18	8	6	DHIL188U*D06J	0.657 (16.7)	197 (294)	600 (2670)	180 (800)	30
18	8	12	DHIL188U*D12J	0.692 (17.6)	207 (308)	600 (2670)	180 (800)	30

*18 AWG cables are rated CL4R-OF-ST1-FMP (3.0A), CMR-OF