





Revision Number: 5 Revision Date: 6/20/2023

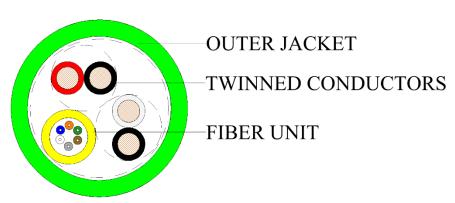


Standards:

- 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					

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.



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/-

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			Part Number					Maximum
AWG Size	Pair Count	Fiber Count	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)	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

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





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 Capacitanco (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





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

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





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