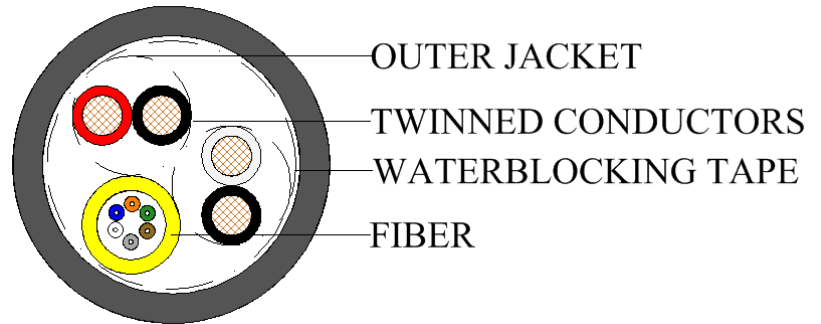




Belden Digital Electricity Cables are available in copper or copper/fiber hybrid constructions, and both are designed to efficiently and safely carry large amounts of power across long distances. Each feature twisted pairs for improved electrical performance, easy identification and quick installation. Copper cables feature anti-corrosion properties and improved longevity. Hybrid cables reduce stock (only one cable to manage) and labor costs with only one cable to pull for data and power.

Standards:

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



Temperature Range	
Plenum	
Operating	-40°C to +70°C -40°F to +158°F
Storage	-40°C to +70°C -40°F to +158°F
Installation	0°C to +60°C 32°F to +140°F

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/-

OM1 and OM2 fiber available upon request

Breakout (3mm) Style Plenum - UL Type 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 lbs (N)	Max. Long Term Load lbs (N)	Maximum Mutual Capacitance (pF/ft)
16	2	2	DHWP162U*B02C	0.419 (10.6)	78 (116)	600 (2670)	180 (800)	30
16	4	2	DHWP164U*B02C	0.589 (15)	146 (217)	600 (2670)	180 (800)	30
16	8	2	DHWP168U*B02C	0.739 (18.8)	248 (369)	600 (2670)	180 (800)	30
18	2	2	DHWP182U*B02C	0.376 (9.6)	63 (94)	600 (2670)	180 (800)	30
18	4	2	DHWP184U*B02C	0.519 (13.2)	121 (180)	600 (2670)	180 (800)	30
18	8	2	DHWP188U*B02C	0.664 (16.9)	197 (293)	600 (2670)	180 (800)	30

Breakout (2mm) Style Plenum - UL Type 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 lbs (N)	Max. Long Term Load lbs (N)	Maximum Mutual Capacitance (pF/ft)
16	2	2	DHWP162U*B02B	0.419 (10.6)	75 (112)	600 (2670)	180 (800)	30
16	4	2	DHWP164U*B02B	0.589 (15)	143 (213)	600 (2670)	180 (800)	30
16	8	2	DHWP168U*B02B	0.739 (18.8)	245 (365)	600 (2670)	180 (800)	30
18	2	2	DHWP182U*B02B	0.376 (9.6)	60 (89)	600 (2670)	180 (800)	30
18	4	2	DHWP184U*B02B	0.519 (13.2)	118 (176)	600 (2670)	180 (800)	30
18	8	2	DHWP188U*B02B	0.664 (16.9)	194 (289)	600 (2670)	180 (800)	30

Distribution Style Plenum - UL Type 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 lbs (N)	Max. Long Term Load lbs (N)	Maximum Mutual Capacitance (pF/ft)
16	2	2	DHWP162U*D02J	0.402 (10.2)	83 (124)	600 (2670)	180 (800)	30
16	2	6	DHWP162U*D06J	0.406 (10.3)	81 (121)	600 (2670)	180 (800)	30
16	2	12	DHWP162U*D12J	0.559 (14.2)	114 (170)	600 (2670)	180 (800)	30
16	4	2	DHWP164U*D02J	0.590 (15.0)	154 (229)	600 (2670)	180 (800)	30
16	4	6	DHWP164U*D06J	0.603 (15.3)	156 (232)	600 (2670)	180 (800)	30
16	4	12	DHWP164U*D12J	0.630 (16.0)	165 (246)	600 (2670)	180 (800)	30
16	8	2	DHWP168U*D02J	0.715 (18.2)	254 (378)	600 (2670)	180 (800)	30
16	8	6	DHWP168U*D06J	0.759 (19.3)	258 (384)	600 (2670)	180 (800)	30
16	8	12	DHWP168U*D12J	0.759 (19.3)	264 (393)	600 (2670)	180 (800)	30
18	2	2	DHWP182U*D02J	0.389 (9.9)	70 (104)	600 (2670)	180 (800)	30
18	2	6	DHWP182U*D06J	0.393 (10.0)	70 (104)	600 (2670)	180 (800)	30
18	2	12	DHWP182U*D12J	0.514 (13.1)	97 (144)	600 (2670)	180 (800)	30
18	4	2	DHWP184U*D02J	0.526 (13.4)	130 (193)	600 (2670)	180 (800)	30
18	4	6	DHWP184U*D06J	0.552 (14.0)	124 (185)	600 (2670)	180 (800)	30
18	4	12	DHWP184U*D12J	0.569 (14.5)	131 (195)	600 (2670)	180 (800)	30
18	8	2	DHWP188U*D02J	0.664 (16.9)	205 (305)	600 (2670)	180 (800)	30
18	8	6	DHWP188U*D06J	0.664 (16.9)	206 (307)	600 (2670)	180 (800)	30
18	8	12	DHWP188U*D12J	0.664 (16.9)	212 (315)	600 (2670)	180 (800)	30

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

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 lbs (N)	Max. Long Term Load lbs (N)	Maximum Mutual Capacitance (pF/ft)
16	2	2	DHWP162U*B02C	0.441 (11.2)	74 (110)	600 (2670)	180 (800)	30
16	4	2	DHWP164U*B02C	0.591 (15.0)	141 (210)	600 (2670)	180 (800)	30
16	8	2	DHWP168U*B02C	0.741 (18.8)	243 (361)	600 (2670)	180 (800)	30
18	2	2	DHWP182U*B02C	0.414 (10.5)	59 (87)	600 (2670)	180 (800)	30
18	4	2	DHWP184U*B02C	0.557 (14.1)	115 (172)	600 (2670)	180 (800)	30
18	8	2	DHWP188U*B02C	0.702 (17.8)	190 (283)	600 (2670)	180 (800)	30

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

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 lbs (N)	Max. Long Term Load lbs (N)	Maximum Mutual Capacitance (pF/ft)
16	2	2	DHWP162U*B02B	0.441 (11.2)	68 (101)	600 (2670)	180 (800)	30
16	4	2	DHWP164U*B02B	0.591 (15.0)	135 (201)	600 (2670)	180 (800)	30
16	8	2	DHWP168U*B02B	0.741 (18.8)	237 (353)	600 (2670)	180 (800)	30
18	2	2	DHWP182U*B02B	0.414 (10.5)	53 (79)	600 (2670)	180 (800)	30
18	4	2	DHWP184U*B02B	0.557 (14.1)	109 (162)	600 (2670)	180 (800)	30
18	8	2	DHWP188U*B02B	0.702 (17.8)	184 (274)	600 (2670)	180 (800)	30



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

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 lbs (N)	Max. Long Term Load lbs (N)	Maximum Mutual Capacitance (pF/ft)
16	2	2	DHWL162U*D02J	0.440 (11.2)	83 (123)	600 (2670)	180 (800)	30
16	2	6	DHWL162U*D06J	0.444 (11.3)	85 (126)	600 (2670)	180 (800)	30
16	2	12	DHWL162U*D12J	0.597 (15.2)	112 (166)	600 (2670)	180 (800)	30
16	4	2	DHWL164U*D02J	0.628 (16.0)	149 (222)	600 (2670)	180 (800)	30
16	4	6	DHWL164U*D06J	0.641 (16.3)	155 (230)	600 (2670)	180 (800)	30
16	4	12	DHWL164U*D12J	0.668 (17.0)	163 (242)	600 (2670)	180 (800)	30
16	8	2	DHWL168U*D02J	0.753 (19.1)	249 (371)	600 (2670)	180 (800)	30
16	8	6	DHWL168U*D06J	0.797 (20.2)	257 (382)	600 (2670)	180 (800)	30
16	8	12	DHWL168U*D12J	0.797 (20.2)	262 (389)	600 (2670)	180 (800)	30
18	2	2	DHWL182U*D02J	0.427 (10.8)	69 (103)	600 (2670)	180 (800)	30
18	2	6	DHWL182U*D06J	0.431 (10.9)	73 (109)	600 (2670)	180 (800)	30
18	2	12	DHWL182U*D12J	0.552 (14.0)	95 (141)	600 (2670)	180 (800)	30
18	4	2	DHWL184U*D02J	0.564 (14.3)	125 (186)	600 (2670)	180 (800)	30
18	4	6	DHWL184U*D06J	0.590 (15.0)	122 (182)	600 (2670)	180 (800)	30
18	4	12	DHWL184U*D12J	0.607 (15.4)	128 (191)	600 (2670)	180 (800)	30
18	8	2	DHWL188U*D02J	0.702 (17.8)	199 (296)	600 (2670)	180 (800)	30
18	8	6	DHWL188U*D06J	0.702 (17.8)	204 (303)	600 (2670)	180 (800)	30
18	8	12	DHWL188U*D12J	0.702 (17.8)	209 (311)	600 (2670)	180 (800)	30

Fixed Letter Series

DE

1. Choose Application

I

2. Choose Rating/Type

P

3. Choose Gauge Size

18

4. Choose Pair Count

4

5. Choose Shielding

U

Application	
I	Indoor
D	Indoor/Outdoor
W	Waterblocked-Indoor/Outdoor

Rating/Type	
	Indoor
P	Plenum
	Indoor/Outdoor or Waterblocked
N	General Purpose/Wet Locations
	Indoor/Outdoor
L	LSZH

AWG	
12	12
14	14
16	16
18	18
20	20
22	22
24	24

Pair Count ¹	
2	2 Pairs
4	4 Pairs
8	8 Pairs
10	10 Pairs

Shielding	
U	Unshielded
F	Foil Shield
D	Dual Shield (Foil+90% TC Braid)

1. Up to 10-pair for Indoor Plenum and 24-pair for Indoor/Outdoor and Waterblocked

* Plenum default jacket color is Apple Green. Indoor/Outdoor and Waterblocked default jacket color is black. Default reel size is 2000 ft. Other colors and lengths available upon request.