



Revision Number: 2 Revision Date: 9.28.2022

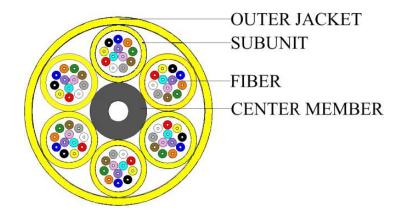


Belden's tight-buffered multi-fiber distribution cables are available in fiber counts from 2 to 144. These highly popular cables are designed for both indoor & indoor/outdoor applications. Distribution cables are available in plenum, riser, unitized & non-unitized constructions which fit a wide array of general purpose installations. Their small bend radius and 900µm tight-buffered fibers allow for fast installations and easy terminations.

### Standards:

- ICEA S-83-596
- RoHS
- ANSI/TIA-568-C.3

Temperature Range							
	Riser / LSZH	Plenum					
Operating	$-20^{\circ}$ C to $+70^{\circ}$ C $-4^{\circ}$ F to $+158^{\circ}$ F	0°C to +70°C 32°F to +158°F					
Storage	$-40^{\circ}$ C to $+70^{\circ}$ C $-40^{\circ}$ F to $+158^{\circ}$ F	$-40^{\circ}$ C to $+70^{\circ}$ C $-40^{\circ}$ F to $+158^{\circ}$ F					
Installation	$-10^{0}$ C to $+60^{0}$ C $14^{0}$ F to $+140^{0}$ F	$0^{0}$ C to $+60^{0}$ C $32^{0}$ F to $+140^{0}$ 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
OM1 - 62.5/125mm Multi-Mode	1	Orange	850/1300	3.5/1.25	200/500	220/-	300/550	33/-
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	550-
OM5 - 50/125mm Multi-Mode	5	Lime Green	850/1300	3.0/1.0	3500/500	4700/-	1100/550	550-

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Single Unit - UL Type OFNR / C(UL) OFNR FT4									
Fiber Count	Part Number <sup>1</sup>	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbf (N)	Max. Long Term Load lbf (N)	Min. Bend Radius Load	Min. Long Term Bend Radius		
2	FI*D002R9	0.184 (4.7)	14 (21)	150 (660)	45 (200)	15x Cable OD	10x Cable OD		
4	FI*D004R9	0.200 (5.1)	17 (25)	150 (660)	45 (200)	15x Cable OD	10x Cable OD		
6	FI*D006R9	0.220 (5.6)	20 (30)	150 (660)	45 (200)	15x Cable OD	10x Cable OD		
12	FI*D012R9	0.260 (6.6)	27 (40)	150 (660)	45 (200)	15x Cable OD	10x Cable OD		
24	FI*D024R9	0.325 (8.3)	42 (63)	300 (1320)	90 (400)	15x Cable OD	10x Cable OD		
1 Substitute (*) with	Fiber Grade Code								

Multi-Unit - UL Type OFNR / C(UL) OFNR FT4								
Fiber Count	Part Number <sup>1</sup>	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbf (N)	Max. Long Term Load lbf (N)	Min. Bend Radius Load	Min. Long Term Bend Radius	
$24^{2}$	FI*D024RJ	0.538 (13.7)	86 (161)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD	
36	FI*D036RK	0.664 (16.9)	149 (222)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD	
48	FI*D048RK	0.664 (16.9)	147 (219)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD	
72	FI*D072RK	0.799 (20.3)	223 (332)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD	
96	FI*D096RK	0.953 (24.2)	320 (476)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD	
144 1 Substitute (*) with	FI*D144RK	1.076 (27.3)	357 (531)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD	

<sup>1</sup> Substitute (\*) with Fiber Grade Code

<sup>2</sup> This is a 6F/Tube Design

<sup>36</sup> fiber count is also available in a 6F/Tube Design





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Single Unit – LSZH - UL Type OFNR / C(UL) OFNR FT4									
Fiber Count	Part Number <sup>1</sup>	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbf (N)	Max. Long Term Load lbf (N)	Min. Bend Radius Load	Min. Long Term Bend Radius		
2	FI*D002L9	0.184 (4.7)	14 (21)	150 (660)	45 (200)	15x Cable OD	10x Cable OD		
4	FI*D004L9	0.200 (5.1)	17 (25)	150 (660)	45 (200)	15x Cable OD	10x Cable OD		
6	FI*D006L9	0.220 (5.6)	20 (30)	150 (660)	45 (200)	15x Cable OD	10x Cable OD		
12	FI*D012L9	0.290 (7.4)	27 (40)	150 (660)	45 (200)	15x Cable OD	10x Cable OD		
1 Substitute (*) with	Fiber Grade Code								

Multi-Unit – LSZH - UL Type OFNR / C(UL) OFNR FT4									
Part Number <sup>1</sup>	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbf (N)	Max. Long Term Load lbf (N)	Min. Bend Radius Load	Min. Long Term Bend Radius			
FI*D024LJ	0.538 (13.7)	108 (161)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD			
FI*D036LK	0.664 (16.9)	149 (222)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD			
FI*D048LK	0.664 (16.9)	147 (219)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD			
FI*D072LK	0.799 (20.3)	223 (332)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD			
FI*D096LK	0.953 (24.2)	320 (476)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD			
FI*D144LK	1.076 (27.3)	357 (531)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD			
	Part Number¹ FI*D024LJ FI*D036LK FI*D048LK FI*D072LK FI*D096LK	Part Number¹ Nom. Jacket Dia. in (mm)   FI*D024LJ 0.538 (13.7)   FI*D036LK 0.664 (16.9)   FI*D048LK 0.664 (16.9)   FI*D072LK 0.799 (20.3)   FI*D096LK 0.953 (24.2)	Part Number¹ Nom. Jacket Dia. in (mm) Weight lbs/1000ft (kg/km)   FI*D024LJ 0.538 (13.7) 108 (161)   FI*D036LK 0.664 (16.9) 149 (222)   FI*D048LK 0.664 (16.9) 147 (219)   FI*D072LK 0.799 (20.3) 223 (332)   FI*D096LK 0.953 (24.2) 320 (476)	Part Number¹ Nom. Jacket Dia. in (mm) Weight lbs/1000ft (kg/km) Max. Install Load lbf (N)   FI*D024LJ 0.538 (13.7) 108 (161) 600 (2670)   FI*D036LK 0.664 (16.9) 149 (222) 600 (2670)   FI*D048LK 0.664 (16.9) 147 (219) 600 (2670)   FI*D072LK 0.799 (20.3) 223 (332) 600 (2670)   FI*D096LK 0.953 (24.2) 320 (476) 600 (2670)	Part Number¹ Nom. Jacket Dia. in (mm) Weight lbs/1000ft (kg/km) Max. Install Load lbf (N) Max. Long Term Load lbf (N)   FI*D024LJ 0.538 (13.7) 108 (161) 600 (2670) 180 (800)   FI*D036LK 0.664 (16.9) 149 (222) 600 (2670) 180 (800)   FI*D048LK 0.664 (16.9) 147 (219) 600 (2670) 180 (800)   FI*D072LK 0.799 (20.3) 223 (332) 600 (2670) 180 (800)   FI*D096LK 0.953 (24.2) 320 (476) 600 (2670) 180 (800)	Part Number¹ Nom. Jacket Dia. in (mm) Weight lbs/1000ft (kg/km) Max. Install Load lbf (N) Max. Long Term Load lbf (N) Min. Bend Radius Load   FI*D024LJ 0.538 (13.7) 108 (161) 600 (2670) 180 (800) 15x Cable OD   FI*D036LK 0.664 (16.9) 149 (222) 600 (2670) 180 (800) 15x Cable OD   FI*D048LK 0.664 (16.9) 147 (219) 600 (2670) 180 (800) 15x Cable OD   FI*D072LK 0.799 (20.3) 223 (332) 600 (2670) 180 (800) 15x Cable OD   FI*D096LK 0.953 (24.2) 320 (476) 600 (2670) 180 (800) 15x Cable OD			

<sup>1</sup> Substitute (\*) with Fiber Grade Code 2 This is a 6F/Tube Design

<sup>36</sup> fiber count is also available in a 6F/Tube Design





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Single Unit - UL Type OFNP / C(UL) OFNP FT6									
Fiber Count	Part Number <sup>1</sup>	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbf (N)	Max. Long Term Load lbf (N)	Min. Bend Radius Load	Min. Long Term Bend Radius		
2	FI*D002P9	0.174 (4.7)	14 (21)	150 (660)	45 (200)	15x Cable OD	10x Cable OD		
4	FI*D004P9	0.174 (4.4)	15 (22)	150 (660)	45 (200)	15x Cable OD	10x Cable OD		
6	FI*D006P9	0.190 (4.8)	15 (22)	150 (660)	45 (200)	15x Cable OD	10x Cable OD		
12	FI*D012P9	0.230 (5.8)	21 (31)	150 (660)	45 (200)	15x Cable OD	10x Cable OD		
24	FI*D024P9	0.330 (8.4)	40 (60)	150 (660)	45 (200)	15x Cable OD	10x Cable OD		
1 Substitute (*) with	Fiber Grade Code								

Multi-Unit - UL Type OFNP / C(UL) OFNR FT6									
Fiber Count	Part Number <sup>1</sup>	Nom. Jacket Dia. in (mm)	Weight lbs/1000ft (kg/km)	Max. Install Load lbf (N)	Max. Long Term Load lbf (N)	Min. Bend Radius Load	Min. Long Term Bend Radius		
$24^{2}$	FI*D024PJ	0.494 (12.6)	82 (122)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD		
36	FI*D036PK	0.590 (15.0)	117 (174)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD		
48	FI*D048PK	0.590 (15.0)	123 (183)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD		
72	FI*D072PK	0.723 (18.4)	199 (296)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD		
96	FI*D096PK	0.867 (22.0)	303 (451)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD		
144	FI*D144PK	1.032 (26.2)	364 (542)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD		

<sup>1</sup> Substitute (\*) with Fiber Grade Code

<sup>2</sup> This is a 6F/Tube Design

<sup>36</sup> fiber count is also available in a 6F/Tube Design