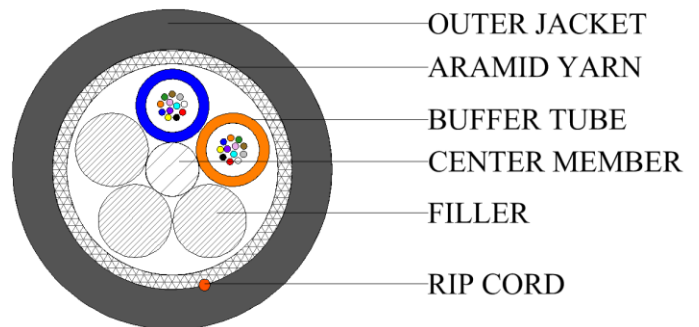


Belden's factory-grade fiber optic cables are rated for indoor and outdoor applications, provide noise immunity and are able to transmit data across long distances. The robust construction of Belden's fiber optic factory cables make them ideal for use in environments such as material handling, food processing and other industrial applications where fluids may be present.

Standards:

- TIA/EIA-568.3-D
- NEC/CEC OFNR/OFCR FT4
- ICEA S-104-696 (Indoor/Outdoor Rated)
- ROHS II 2011/65/EU
- REACH EC1907-2006

Temperature Range	
Operating	-40°C to +70°C
Storage	-40°C to +70°C
Installation	-10°C to +60°C



Glass Type	Fiber Grade Code	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	1310/1550	0.4/0.3	-	-	5,000/-	10,000/40,000
OM1 – 62.5/125mm Multi-Mode	1	850/1300	3.25/1.0	200/500	220/-	300/550	33/-
OM3 - 50/125mm Multi-Mode	3	850/1300	3.0/1.0	1500/500	2000/-	1000/550	300/-
OM4 - 50/125mm Multi-Mode	4	850/1300	3.0/1.0	3500/500	4700/-	1100/550	550/-

†Custom color jackets available

Single Jacket All Dielectric PVC (UL) Type OFNR / c(UL) OFNR FT4

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)	Min. Bend Radius Load	Min. Long Term Bend Radius
2	TF-*LF-002-RN5N	0.454 (11.5)	87 (129)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
4	TF-*LF-004-RN5N	0.454 (11.5)	87 (129)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
6	TF-*LF-006-RN5N	0.454 (11.5)	87 (129)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
8	TF-*LG-008-RN5N	0.454 (11.5)	87 (129)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
12	TF-*LG-012-RN5N	0.454 (11.5)	87 (129)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
24	TF-*LG-024-RN5N	0.454 (11.5)	87 (129)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
36	TF-*LG-036-RN5N	0.454 (11.5)	87 (129)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
48	TF-*LG-048-RN5N	0.454 (11.5)	87 (129)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
60	TF-*LG-060-RN5N	0.454 (11.5)	87 (129)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
72	TF-*LG-072-RN5N	0.481 (12.2)	91 (135)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
96	TF-*LG-096-RN5N	0.547 (13.9)	116 (172)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
144	TF-*LG-144-RN5N	0.701 (17.8)	195 (290)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD

Fiber counts 12-36 are also available in a 6F/Tube Design

Double Jacket All Dielectric PVC (UL) Type OFNR / c(UL) OFNR FT4

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)	Min. Bend Radius Load	Min. Long Term Bend Radius
2	TF-*LF-002-R25N	0.514 (13.1)	104 (155)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
4	TF-*LF-004-R25N	0.514 (13.1)	104 (155)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
6	TF-*LF-006-R25N	0.514 (13.1)	104 (155)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
8	TF-*LG-008-R25N	0.514 (13.1)	104 (155)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
12	TF-*LG-012-R25N	0.514 (13.1)	104 (155)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
24	TF-*LG-024-R25N	0.514 (13.1)	104 (155)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
36	TF-*LG-036-R25N	0.514 (13.1)	104 (155)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
48	TF-*LG-048-R25N	0.514 (13.1)	104 (155)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
60	TF-*LG-060-R25N	0.514 (13.1)	104 (155)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
72	TF-*LG-072-R25N	0.541 (13.7)	127 (189)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
96	TF-*LG-096-R25N	0.532 (13.5)	148 (220)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD
144	TF-*LG-144-R25N	0.686 (17.4)	231 (344)	600 (2670)	180 (800)	15x Cable OD	10x Cable OD

Fiber counts 12-36 are also available in a 6F/Tube Design

Double Jacket Aluminum Interlocking Armor PVC (UL) Type OFCR / c(UL) OFCR FT4

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)	Min. Bend Radius Load	Min. Long Term Bend Radius
2	TF-*LF-002-RI5N	0.764 (19.4)	242 (360)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
4	TF-*LF-004-RI5N	0.764 (19.4)	242 (360)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
6	TF-*LF-006-RI5N	0.764 (19.4)	242 (360)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
8	TF-*LG-008-RI5N	0.764 (19.4)	242 (360)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
12	TF-*LG-012-RI5N	0.764 (19.4)	242 (360)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
24	TF-*LG-024-RI5N	0.764 (19.4)	242 (360)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
36	TF-*LG-036-RI5N	0.764 (19.4)	242 (360)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
48	TF-*LG-048-RI5N	0.764 (19.4)	242 (360)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
60	TF-*LG-060-RI5N	0.764 (19.4)	242 (360)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
72	TF-*LG-072-RI5N	0.891 (22.6)	278 (414)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
96	TF-*LG-096-RI5N	0.957 (24.3)	318 (473)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
144	TF-*LG-144-RI5N	1.111 (28.2)	401 (597)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD

Fiber counts 12-36 are also available in a 6F/Tube Design

Double Jacket Steel Interlocking Armor PVC (UL) Type OFCR / c(UL) OFCR FT4

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)	Min. Bend Radius Load	Min. Long Term Bend Radius
2	TF-*LF-002-RH5N	0.764 (19.4)	336 (500)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
4	TF-*LF-004-RH5N	0.764 (19.4)	336 (500)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
6	TF-*LF-006-RH5N	0.764 (19.4)	336 (500)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
8	TF-*LG-008-RH5N	0.764 (19.4)	336 (500)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
12	TF-*LG-012-RH5N	0.764 (19.4)	336 (500)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
24	TF-*LG-024-RH5N	0.764 (19.4)	336 (500)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
36	TF-*LG-036-RH5N	0.764 (19.4)	336 (500)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
48	TF-*LG-048-RH5N	0.764 (19.4)	336 (500)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
60	TF-*LG-060-RH5N	0.764 (19.4)	336 (500)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
72	TF-*LG-072-RH5N	0.891 (22.6)	414 (616)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
96	TF-*LG-096-RH5N	0.957 (24.3)	467 (695)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
144	TF-*LG-144-RH5N	1.111 (28.2)	599 (891)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD

Fiber counts 12-36 are also available in a 6F/Tube Design

Single Jacket Steel Corrugated Armor PVC (UL) Type OFCR / c(UL) OFCR FT4

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)	Min. Bend Radius Load	Min. Long Term Bend Radius
2	TF-*LF-002-RS5N	0.530 (13.5)	115 (171)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
4	TF-*LF-004-RS5N	0.530 (13.5)	115 (171)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
6	TF-*LF-006-RS5N	0.530 (13.5)	115 (171)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
8	TF-*LG-008-RS5N	0.530 (13.5)	115 (171)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
12	TF-*LG-012-RS5N	0.530 (13.5)	115 (171)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
24	TF-*LG-024-RS5N	0.530 (13.5)	115 (171)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
36	TF-*LG-036-RS5N	0.530 (13.5)	115 (171)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
48	TF-*LG-048-RS5N	0.530 (13.5)	115 (171)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
60	TF-*LG-060-RS5N	0.530 (13.5)	115 (171)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
72	TF-*LG-072-RS5N	0.570 (14.5)	138 (205)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
96	TF-*LG-096-RS5N	0.650 (16.5)	162 (241)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
144	TF-*LG-144-RS5N	0.810 (20.6)	263 (391)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD

Fiber counts 12-36 are also available in a 6F/Tube Design

Double Jacket Steel Corrugated Armor PVC (UL) Type OFCR / c(UL) OFCR FT4

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)	Min. Bend Radius Load	Min. Long Term Bend Radius
2	TF-*LF-002-RT5N	0.630 (16.0)	171 (254)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
4	TF-*LF-004-RT5N	0.630 (16.0)	171 (254)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
6	TF-*LF-006-RT5N	0.630 (16.0)	171 (254)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
8	TF-*LG-008-RT5N	0.630 (16.0)	171 (254)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
12	TF-*LG-012-RT5N	0.630 (16.0)	171 (254)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
24	TF-*LG-024-RT5N	0.630 (16.0)	171 (254)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
36	TF-*LG-036-RT5N	0.630 (16.0)	171 (254)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
48	TF-*LG-048-RT5N	0.630 (16.0)	171 (254)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
60	TF-*LG-060-RT5N	0.630 (16.0)	171 (254)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
72	TF-*LG-072-RT5N	0.660 (16.8)	180 (268)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
96	TF-*LG-096-RT5N	0.735 (18.7)	199 (296)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD
144	TF-*LG-144-RT5N	0.880 (22.4)	295 (439)	600 (2670)	180 (800)	20x Cable OD	15x Cable OD

Fiber counts 12-36 are also available in a 6F/Tube Design