

48-72 Fiber Distribution Cable, Riser

www.TheLightconnection.com

Features and Benefits

- 900µm Tight Buffered optical fiber
- Aramid yarn strength members
- OFNR rated construction
- Exclusive use of Corning® optical fibers
- Jacket print ensures product identification and fiber compatibility
- Durable jacket offers added protection during installation and in rugged use applications

Description

The Light Connection, Inc. Distribution Cable is composed of four to six buffer tubes, aramid yarn, and a PVC outer jacket. Each buffer tube consists of 12 colored tight buffered optical fibers, aramid yarn and a 5.8mm PVC jacket. All component materials meet the EU RoHS and REACH Directive standards.

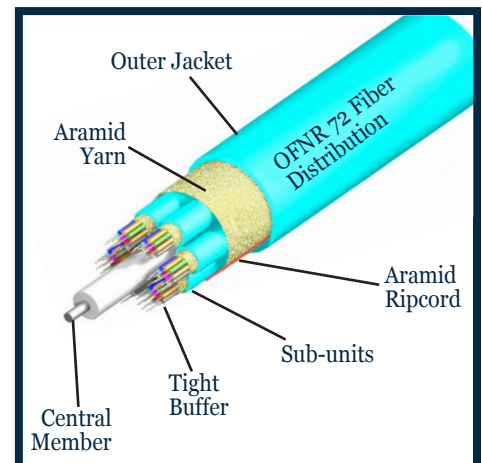
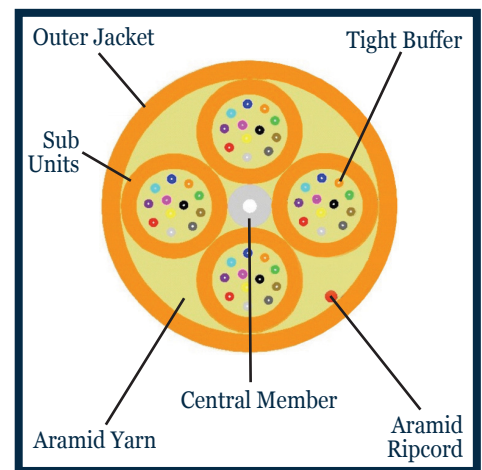
TLC Distribution Cable is available in 12 TIA standard colors or special order colors. UL Listed OFNR cables are available, and unrated cables may be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers. Custom print may also be accommodated.

Application

Riser

Flame Rating

UL 1666
UL 1685 (FT4)



SPECIFICATIONS

Temperature Range

Storage Temperature	-40 C to +70 C
Operating Temperature	-20 C to +70 C

Cable Characteristics

Fiber Count	48-72
Outer Jacket Material	Flame Retardant PVC
Buffer tube Material	Flame Retardant PVC
Strength Member	Aramid Yarn
Central Strength Member	Fiber Reinforced Rod
Tight Buffer Material	Flame Retardant PVC

Physical Characteristics

Value 48, 72 fiber count

Nominal Outer Diameter (mm)	15.40/ 20
Weight (lbs/ km)	410/ 695
Minimum Bend Radius, Installation (cm)	23.10/ 30
Minimum Bend Radius, Operation (cm)	15.40/ 20

Optical Characteristics

Items	Single Mode	OM1	OM2	OM3	OM4 (OM4+)	OM5 (WB MMF)
Core Size [μm]	9	62.5	50	50	50	50
Wavelength [nm]	1310/ 1550	850/ 1300	850/1300	850/ 1300	850/ 1300	850/ 1300
Max. Attenuation[dB/km]	0.5/ 0.4	3.5/ 1.5	3.5/1.5	3.0/ 1.0	3.0/ 1.0	3.0/ 1.0
Link Length[m]	10,000/5,000 (1/10Gb/s@1550nm)	300 (1Gb/s@850nm)	150 (10Gb/s@850nm)	300 (10Gb/s@850nm)	550(600) (10Gb/s@850nm)	550 (10Gb/s@850nm)
Bandwidth (EMB High Performance)[MHz.km]	-	220 @850	750@850	2,000 @850	4,700 @850	4,700@850

Part Numbers

Fiber Count	Single Mode	OM1	OM2	OM3-OM4	OM5
48	So9DI48**NRY-Y	M62DI48**NRO-O	M50DI48**NRO-O	M50DI48**NRA-A	M50DI48**NRLG-LG
72	So9DI72**NRY-Y	M62DI72**NRO-O	M50DI72**NRO-O	M50DI72**NRA-A	M50DI72**NRLG-LG

Fiber Type (9/125)

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SMF-28 Ultra	CZ
ClearCurve LBL	C7
ClearCurve ZBL	CC

Fiber Type (50/125)

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ClearCurve OM2	C2
Clear Curve OM3	CG
ClearCurve OM4	C4
ClearCurve OM5	C5

Fiber Type (62.5/125)

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InfiniCor 300	C3
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Specifications are subject to change without notice.



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