

2-24 Fiber Distribution Cable, Riser

www.TheLightConnection.com

Features and Benefits

- 900µm Tight Buffers
- Aramid yarn strength members
- 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

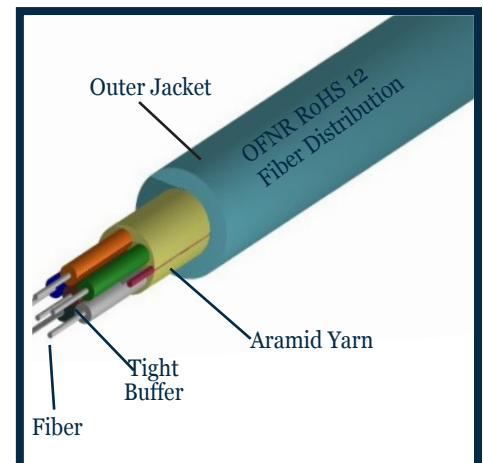
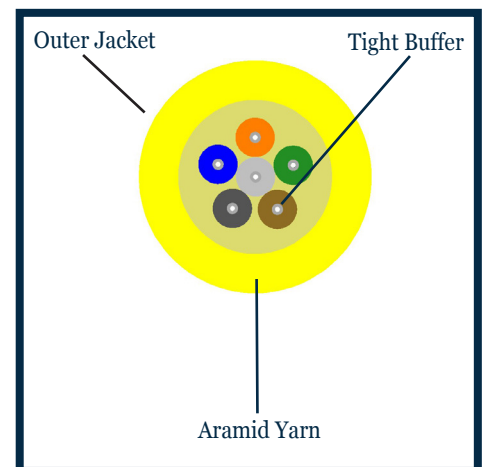
Description

The Light Connection, Inc. Distribution Cable is composed of 2 to 24 colored tight buffered optical fibers, aramid yarn, and a PVC outer 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	Indoor
Storage Temperature	-40 C to +70 C
Operating Temperature	-20 C to +70 C

Cable Characteristics	
Fiber Count	2, 4, 6, 8, 12, 24
Outer Jacket Material	Flame Retardant PVC
Outer Jacket Color	Available in 12 TIA/ EIA color standard
Strength Member	Aramid Yarn
Tight Buffer Material	Flame Retardant PVC
Tight Buffer Color	Available in 12 TIA/ EIA color standard

Physical Characteristics	Value (2/ 4/ 6/ 8/ 12/ 24 fiber count)
Nominal Outer Diameter (mm)	4.4/ 4.4/ 4.8/ 5.8/ 5.8 / 7.8
Weight (lbs/ km)	36/ 43/ 51/ 70/ 74/ 115
Minimum Bend Radius, Installation (cm)	6.6/ 6.6/ 7.2/ 8.7/ 8.7/ 11.7
Minimum Bend Radius, Operation (cm)	4.4/ 4.4/ 4.8/ 5.8/ 5.8/ 7.8

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 @850nm	750@850	2,000 @850	4,700 @850	4,700@850

Part Numbers					
Fiber Count	Single Mode	OM1	OM2	OM3-OM4	OM5 (WB MMF)
2	S09DI02**NRY	M62DI02**NRO	M50DI02**NRO	M50DI02**NRA	M50DI02**NRLG
4	S09DI04**NRY44	M62DI04**NRO44	M50DI04**NRO44	M50DI04**NRA44	M50DI04**NRLG44
6	S09DI06**NRY48	M62DI06**NRO48	M50DI06**NRO48	M50DI06**NRA48	M50DI06**NRLG48
8	S09DI08**NRY58	M62DI08**NRO58	M50DI08**NRO58	M50DI08**NRA58	M50DI08**NRLG58
12	S09DI12**NRY58	M62DI12**NRO58	M50DI12**NRO58	M50DI12**NRA58	M50DI12**NRLG58
24	S09DI24**NRY78	M62DI24**NRO78	M50DI24**NRO78	M50DI24**NRA78	M50DI24**NRLG78

Fiber Type (9/125)	**	Fiber Type (50/125)	**	Fiber Type (62.5/125)	**
SMF-28 Ultra	CZ	ClearCurve OM2	C2	InfiniCor 300	C3
ClearCurve LBL	C7	Clear Curve OM3	CG		
ClearCurve ZBL	CC	ClearCurve OM4	C4		
		ClearCurve OM5	C5		