

48-96 Fiber Distribution Cable, Plenum

www.TheLightConnection.com

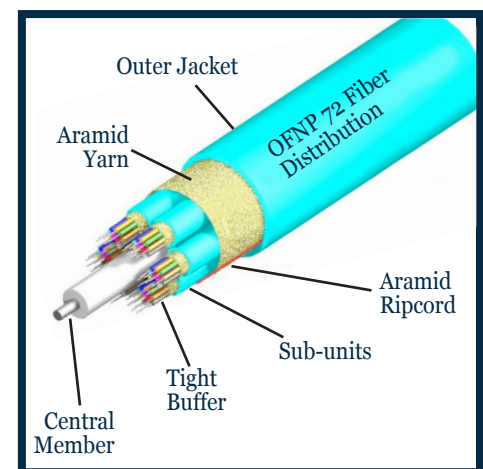
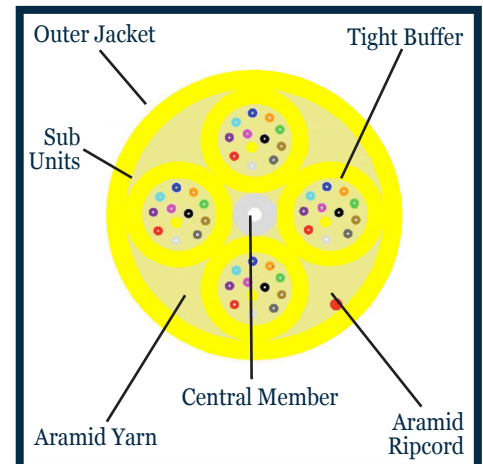
Features and Benefits

- 900µm Tight Buffered Optical Fiber
- 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 four to eight buffer tubes, aramid yarn, and a PVC outer jacket. Each buffer tube consists of 12 colored tight buffer, aramid yarn and a 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 OFNP 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

Plenum

Flame Rating

NFPA 262

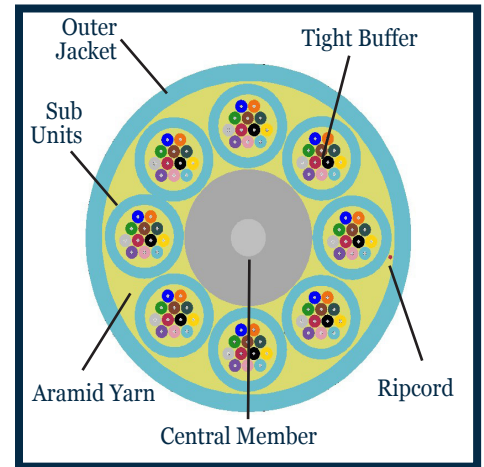
SPECIFICATIONS

Temperature Range

Storage Temperature	-40 C to +70 C
Operating Temperature	0 C to +70 C

Cable Characteristics

Fiber Count	48-96
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, 96 fiber count)

Nominal Outer Diameter (mm)	15.4 / 20.0 / 22.9
Weight (lbs/ km)	410/ 695 / 1140
Minimum Bend Radius, Installation (cm)	23.1 / 30.0 / 34.4
Minimum Bend Radius, Operation (cm)	15.4/ 20.0 / 22.9

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	S09DI48**NPY-Y	M62DI48**NPO-O	M50DI48**NPO-O	M50DI48**NPA-A	M50DI48**NPLG-LG
72	S09DI72**NPY-Y	M62DI72**NPO-O	M50DI72**NPO-O	M50DI72**NPA-A	M50DI72**NPLG-LG
96	S09DI96**NPY-Y	M62DI96**NPO-O	M50DI96**NPO-O	M50DI96**NPA-A	M50DI96**NPLG-LG

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		