

48-72 Fiber Indoor-Outdoor Cable, Plenum

www.TheLightConnection.com

Features and Benefits

- 900µm Tight Buffered Optical Fiber
- Water blocking aramid yarn strength members
- UV resistant jacket, OFNP 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. Indoor-Outdoor Cable is composed of four to six buffer tubes, water blocking aramid yarn, and a PVC outer jacket. Each buffer tube consists of 12 colored tight buffered optical fibers, water blocking aramid yarn and a 5.8mm PVC jacket. All component materials meet the EU RoHS and REACH Directive standards.

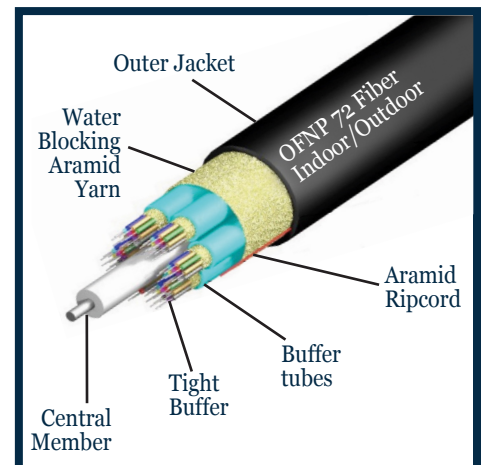
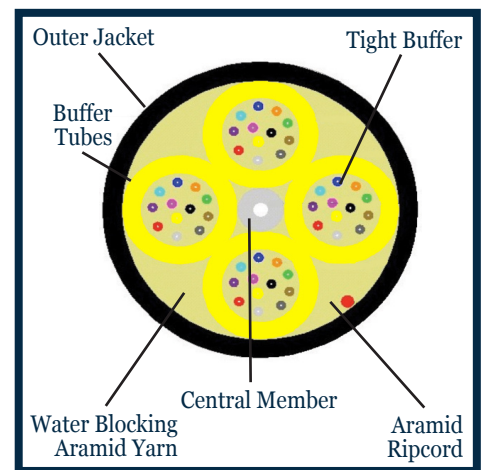
TLC Distribution Cable is available in carbon black or special order colors(including 12 TIA standard colors). UL Listed OFNP cables are available, and unrated cables may be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage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

Application

Plenum
Duct

Flame Rating

NFPA 262



SPECIFICATIONS

Temperature Range

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

Cable Characteristics

Fiber Count	48-72
Outer Jacket Material	Flame Retardant PVC
Buffer Tube Material	Flame Retardant PVC
Strength Member	Water Blocking 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)	480 / 765
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-OM5
48	S09IO48**NPBL	M62IO48**NPBL	M50IO48**NPBL
72	S09IO72**NPBL	M62IO72**NPBL	M50IO72**NPBL

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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