

48-72 Fiber Indoor-Outdoor Cable, Plenum



Features and Benefits

- 900µm Tight Buffers
- 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
- Buffers strip consistently between 3.5 – 5 lbs-f, helpful for onsite termination
- Durable jacket offers added protection during installation and in rugged use applications

Description

The Light Connections Indoor-Outdoor Cable is composed of four to six sub-units, water blocking aramid yarn, and a PVC outer jacket. Each sub-unit consists of 12 colored tight buffer, water blocking aramid yarn and a 5.8mm PVC jacket. All component materials meet the EU RoHS and REACH Directive standards.

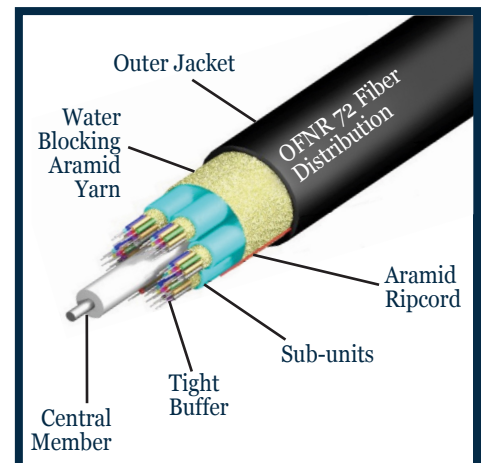
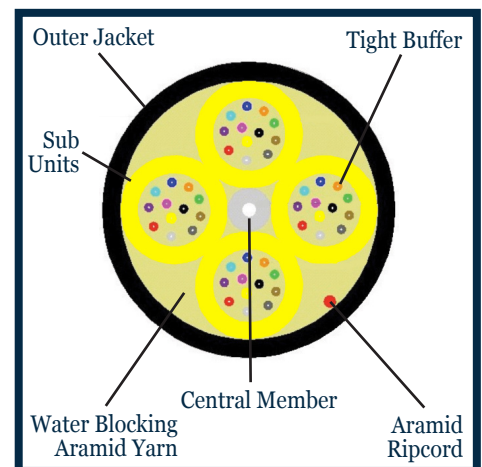
TLC Distribution Cable is available in 12 TIA standard colors or special order colors. UL Listed OFNP cables are available, and unlisted, unrated cables can be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers.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

Application

Plenum
Duct

Flame Rating

NFPA262



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
Sub Unit Material	Flame Retardant PVC
Strength Member	Water Blocking Aramid Yarn
Central Strength Member	Fiber Reinforced Rod
Tight Buffer Material	Flame Retardant PVC

Physical Characteristics

Physical Characteristics	Value
Nominal Outer Diameter (mm) 48, 72	15.40/ 20
Weight (lbs/ km) 48, 72	480/ 765
Minimum Bend Radius, Installation (cm) 48, 72	23.10/ 30
Minimum Bend Radius, Operation (cm) 48, 72	15.40/ 20

Optical Characteristics

Items	Single Mode	OM1	OM2	OM3	OM4
Core Size	9 um	62.5 um	50 um	50 um	50 um
Wavelength	(1310/ 1550) nm	(850/ 1300) nm	(850/ 1300) nm	(850/ 1300) nm	(850/ 1300) nm
Max. Attenuation	(0.5/ 0.4) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km
Bandwidth (EMB) (High Performance)	-	220 MHz @850nm	850 MHz @850nm	2000 MHz @850nm	4700 MHz @850nm
Link Length (10Gb/ s)	-	-	150 mtr	300 mtr	550 mtr

Part Numbers

Fiber Count	Single Mode	OM1	OM2	OM3	OM4
48	S09IO48**NPBL	M62IO48**NPBL	M50IO48**NPBL	M50IO48**NPBL	M50IO48**NPBL
72	S09IO72**NPBL	M62IO72**NPBL	M50IO72**NPBL	M50IO72**NPBL	M50IO72**NPBL

Fiber Type (9/125)

Fiber Type (9/125)	**
SMF-28 Ultra	CZ
SMF28e+	C
ClearCurve XB	CB
ClearCurve LBL	C7
ClearCurve ZBL	CC

Fiber Type (50/125)

Fiber Type (50/125)	**
ClearCurve OM2	C2
Clear Curve OM3	CG
ClearCurve OM4	C4

Fiber Type (62.5/125)

Fiber Type (62.5/125)	**
InfiniCor 300	C3
InfiniCor 1000	C1



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