

2-24 Fiber Indoor-Outdoor Cable, Plenum

www.TheLightConnection.com

Features and Benefits

- 900µm Tight Buffers
- Water blocking 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. Indoor/Outdoor Cable is composed of 2 to 24 colored tight buffered optical fibers, water blocking aramid yarn, and a UV resistant black PVC outer jacket. All component materials meet the EU RoHS and REACH Directive standards.

TLC Indoor/ Outdoor 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.

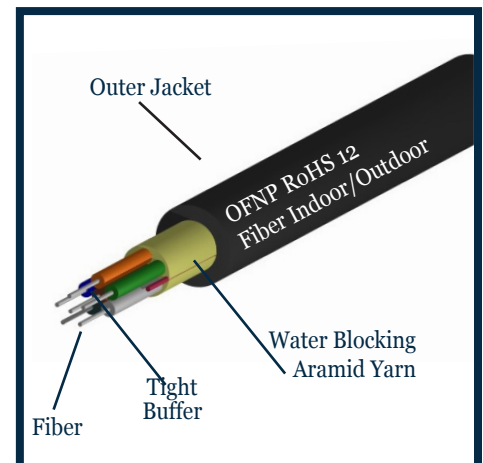
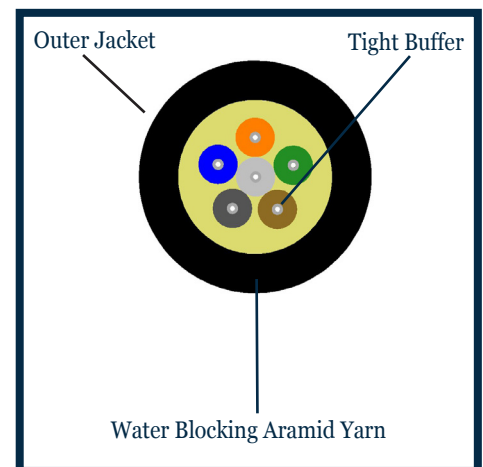
Custom print may also be accommodated.

Application

Plenum
Duct
Indoor/Outdoor

Flame Rating

NFPA 262



SPECIFICATIONS

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

Cable Characteristics	
Fiber Count	2, 4, 6, 8, 12, 24
Outer Jacket Material	Flame Retardant PVC
Outer Jacket Color	Carbon Black
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/ 5.80/ 5.8/ 7.8
Weight (lbs/ km)	44/ 48/ 57/ 73/ 81/ 138
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 @850	750@850	2,000 @850	4,700 @850	4,700@850

Part Numbers			
Fiber Count	Single Mode	OM1	OM2-OM5
2	S09IO02**NPBL	M62IO02**NPBL	M50IO02**NPBL
4	S09IO04**NPBL44	M62IO04**NPBL44	M50IO04**NPBL44
6	S09IO06**NPBL48	M62IO06**NPBL48	M50IO06**NPBL48
8	S09IO08**NPBL58	M62IO08**NPBL58	M50IO08**NPBL58
12	S09IO12**NPBL58	M62IO12**NPBL58	M50IO12**NPBL58
24	S09IO24**NPBL78	M62IO24**NPBL78	M50IO24**NPBL78

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		



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Specifications are subject to change without notice.