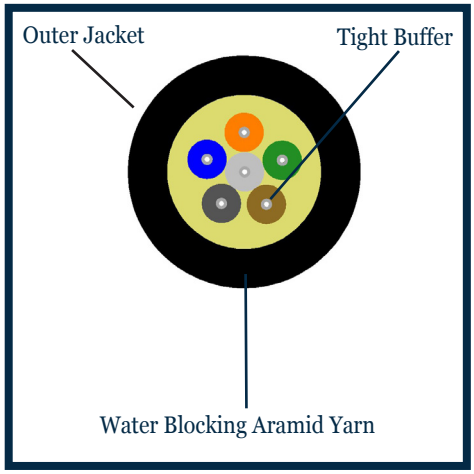
2-24 Fiber Indoor-Outdoor Cable, Plenum

Features and Benefits

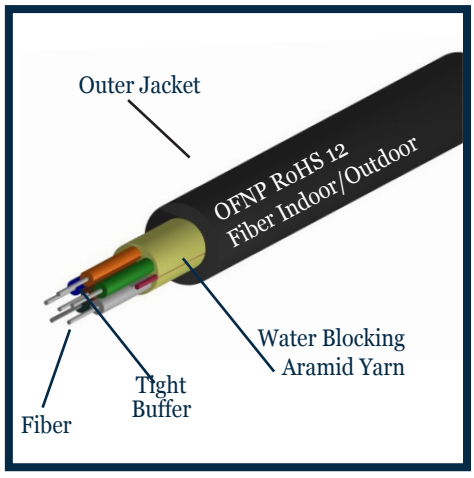
- 900µm Tight Buffers
- Water blocking aramid yarn strength members
- Exclusive use of Corning® optical fibers
- Jacket print ensures product identification and fiber compatibility
- Durable jacket offers added protection during installation and in rugged use applications



Description

This 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.

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

plus CORNING Optical Fiber

RoHS

Specifications are subject to change without notice.