

FIBER OPTIC CABLE SPECS

www.fiberopticlinc.com

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Indoor/Outdoor Fiber Optic Cable Assemblies - Riser Rated (ONFR)

Pre-terminated 6 & 12 Fiber Cable

RLH Indoor/Outdoor pre-terminated cable assemblies are ideal for campus network cabling between buildings. These cables are designed to meet both the rigorous environment of the outdoors by incorporating a UV rated jacket, and also the requirements of indoor routing, where Riser (OFNR) flame rating is specified.

This dual purpose cable offers convenient and cost effective solution for cable routes spanning a variety of environments by eliminating the need for transition splicing to an indoor-rated cable when routing into the building. This reduces points of failure and associated down time for a wide range of institutions including office parks, hospitals and campuses.

RLH Indoor/Outdoor cable assemblies are pre-terminated with LC, SC or ST connectors, and can be ordered in any length required. Cable assemblies include a pull sheath for ease of deployment on site. Each assembly is fully tested and includes a certification test report.



Multimode OM3 Indoor/Outdoor 12 Fiber Cable Assembly showing LC Connectors and Pull Sheath

Application

- Riser (OFNR) Inside and Outside Plant
- Campus LAN
- Building Interconnections
- Mining

Features

- Factory terminated and certified
- Pre-installed pulling sheath
- UV and Moisture Resistant outer jacket
- Quick field installation

Typical Construction



Outer Jacket

Tight Buffered Fiber

Aramid Yarn

Ripcord
(On Select Cables)

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www.fiberopticlink.com

Specifications - Indoor/Outdoor Riser (OFNR) Fiber Cable

Fiber Strands 6 and 12 Fiber

Connector Type (Side 1 and 2) LC, SC or ST (depending on cable type)

Operating Temp. -40°C to +70°C

Fiber Type: Singlemode (9/125), Multimode OM1(62.5/125),
Multimode OM3 (50/125)

Bending Radius Install/ 15X O.D., Long Term 10X O.D.

Jacket Rating: Riser OFNR

Approx. Weight: 6 Fiber: 17 lbs/kft +/- 10%
12 Fiber: 24 lbs/kft +/- 10%

Jacket Type: Indoor/Outdoor

Max. Attenuation: Singlemode (1310/1550nm): 0.5/0.4 dB/km
Multimode OM1 (850/1300nm): 3.5/1.5 dB/km
Multimode OM3 (850/1300nm): 3.0/1.5 dB/km

Breakout Length: 6 Fiber: 18 inches
12 Fiber: 36 inches

Minimum Recommended Conduit Size: 1"

Typical Cable Diameter: 6F: 0.20" +/- 0.02"
12F: 0.24" +/- 0.02"

Compliance: GR326, IEC 61300-3-35, RoHS

Ordering Information* - 6 Fiber Cable Assemblies

Fibers	Connectors	Mode	Rating	Breakout	Part Number
6	ST	Singlemode	ONFR	18 inch	RLH-06IRSM2-STST-B18-F-1
6	SC	Singlemode	ONFR	18 inch	RLH-06IRSM2-SCSC-B18-F-1
6	LC	Singlemode	ONFR	18 inch	RLH-06IRSM2-LCLC-B18-F-1
6	ST	Multimode (OM1)	ONFR	18 inch	RLH-06IRMM2-STST-B18-F-1
6	SC	Multimode (OM1)	ONFR	18 inch	RLH-06IRMM2-SCSC-B18-F-1
6	LC	Multimode (OM1)	ONFR	18 inch	RLH-06IRMM2-LCLC-B18-F-1
6	SC	Multimode (OM3)	ONFR	18 inch	RLH-06IRMX2-SCSC-B18-F-1
6	LC	Multimode (OM3)	ONFR	18 inch	RLH-06IRMX2-LCLC-B18-F-1
6	SC	Multimode (OM4)	ONFR	18 inch	RLH-06IRMC2-SCSC-B18-F-1
6	LC	Multimode (OM4)	ONFR	18 inch	RLH-06IRMC2-LCLC-B18-F-1

Ordering Information* - 12 Fiber Cable Assemblies

Fibers	Connectors	Mode	Rating	Breakout	Part Number
12	ST	Singlemode	ONFR	36 inch	RLH-12IRSM2-STST-B36-F-1
12	SC	Singlemode	ONFR	36 inch	RLH-12IRSM2-SCSC-B36-F-1
12	LC	Singlemode	ONFR	36 inch	RLH-12IRSM2-LCLC-B36-F-1
12	ST	Multimode (OM1)	ONFR	36 inch	RLH-12IRMM2-STST-B36-F-1
12	SC	Multimode (OM1)	ONFR	36 inch	RLH-12IRMM2-SCSC-B36-F-1
12	LC	Multimode (OM1)	ONFR	36 inch	RLH-12IRMM2-LCLC-B36-F-1
12	SC	Multimode (OM3)	ONFR	36 inch	RLH-12IRMX2-SCSC-B36-F-1
12	LC	Multimode (OM3)	ONFR	36 inch	RLH-12IRMX2-LCLC-B36-F-1
12	SC	Multimode (OM4)	ONFR	36 inch	RLH-12IRMC2-SCSC-B36-F-1
12	LC	Multimode (OM4)	ONFR	36 inch	RLH-12IRMC2-LCLC-B36-F-1

*Specify desired length at time of order