



OSP (Outside Plant) Fiber Optic Cable Assemblies

Pre-terminated 12 & 24 Fiber OSP Cable

RLH pre-terminated OSP cables are designed for permanent installation in almost any outdoor environment, and is suitable for underground conduit, as well as aerial installations lashed to a messenger wire or attached to a tower or outdoor structure.

The durable OSP cable design features optical fibers placed inside a gel-filled tube protected by a UV rated outer jacket. The all-dielectric cable is constructed with only non-metallic materials.

RLH OSP 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 in the field. Each assembly is fully tested and includes a certification test report.



OSP Fiber Cable Assembly showing ST Connectors and Pull Sheath

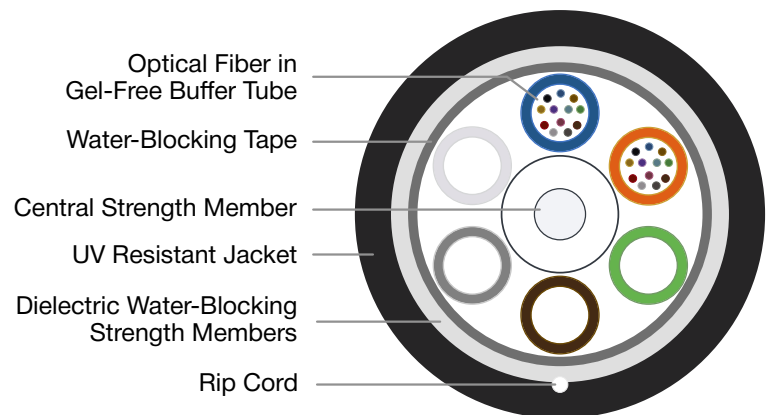
Application

- Underground Duct and Lashed Aerial
- Trunk, distribution, feed cable
- Local loop, metro, long-haul and broadband network

Features

- Factory terminated and certified
- Pre-installed pulling sheath
- High compression strength
- UV and abrasion resistant jacket
- Fast deployment in the field

Typical Construction





General Specifications

Fiber Strands	12 or 24 Fiber	
Connector Type (Side 1 and 2)	LC, SC or ST	
Fiber Type	Single-mode, Multimode OM1	
Jacket Rating	Outdoor, Black UV rated	
Jacket Type	OSP All-Dielectric (Non-Armor)	
Breakout Length	36 Inches (length can be customized)	
Cable Diameter	0.40" +/- 0.05"	
Maximum Attenuation	Single-mode:	0.4/0.3dB/km (1310/1550nm)
	Multimode:	3.5/1.5dB/km (850/1300nm)
Operating Temperature	-40°C to +70°C (-40°F to +158°F)	
Bending Radius	Install	20X O.D.
	Long Term	10X O.D.
Approximate Weight	47 lbs/kft	
Minimum Recommended Conduit Size	1.25"	
Compliance	GR20 CORE, GR326, IEC 61300-3-35, RoHS	

Ordering Information

Fiber Count	Fiber Type	Connector	Part Number
12	Single-mode	ST	RLH-12COSM2-STST-B36-F-1
12	Single-mode	SC	RLH-12COSM2-SCSC-B36-F-1
12	Single-mode	LC	RLH-12COSM2-LCLC-B36-F-1
12	Multimode (OM1)	ST	RLH-12COMM2-STST-B36-F-1
24	Single-mode	ST	RLH-24COSM2-STST-B36-F-1
24	Single-mode	SC	RLH-24COSM2-SCSC-B36-F-1
24	Single-mode	LC	RLH-24COSM2-LCLC-B36-F-1
24	Multimode (OM1)	ST	RLH-24COMM2-STST-B36-F-1

- For additional connector types or customization requests, please contact RLH Sales

Contact

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