

## DATA SHEET

### Tactical Fiber Optic Cable Reel Assembly

#### Deployable 6 Fiber Tactical Tight Buffered Cable with Reel and Protective Pull Sheath

RLH tactical fiber reel assemblies feature ruggedized fiber optic cable pre-mounted on portable reels, and are ideal for repeated use where a rugged and lightweight fiber optic connection is required. Tactical fiber cable is designed to be repeatedly deployed and quickly retrieved in the field, and is highly resistant to damage caused by repeated impacts, crushing forces, abrasion and extreme temperatures.

The cable has internal aramid strength members for flexibility and crush resistance in abusive environments like high traffic areas. Matching connectors at each end are factory terminated, inspected and tested to meet industry standards and feature low connector insertion loss. Each cable reel assembly is certified by our manufacturing team.

A zipper-closed pulling sleeve with integrated pulling handle protects the connector ends for easy deployment. The connectors are staggered within the sleeve to prevent bunching, and each connector has a reusable dust cap for additional protection.

Cables are preinstalled onto the reel assembly which includes integrated cable tie downs and a carry handle for easy transport. The reel provides proper support, and allows for easy retrieval and storage.

### Key Features

- Cut resistant, fire retardant, LSZH polyurethane jacket
- Highly flexible construction allows for multiple deployments
- High performance over a wide temperature range
- UV, fungus and water resistant
- High impact and crush resistance
- Durable in high traffic areas
- Includes zipper pull sheath with pull handle
- Custom lengths up to 100 meter lengths
- Available with LC and SC Connectors
- Certified to meet industry standards, report included
- Conveniently identified connector ends
- Rugged PVC reel frame with handle and locking brake



Tactical Fiber Cable with Pull Sheath



Reel with Stowed Cable

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### Specifications

Cable Mode	Connector	Polish Type	Insertion Loss Typical/Max	Return Loss Typical/Max	Operating Temperature	Test Standards
Singlemode	LC	UPC	≤ 0.15dB / 0.3dB	≤ -60dB / -55dB	-46°C to +85°C	GR-326
	SC	UPC	≤ 0.15dB / 0.3dB	≤ -60dB / -55dB	-46°C to +85°C	GR-326
OM3	LC	PC	≤ 0.15dB / 0.5dB	≤ -35dB / -30dB	-46°C to +85°C	EIA/TIA 568-A
	SC	PC	≤ 0.15dB / 0.5dB	≤ -35dB / -30dB	-46°C to +85°C	EIA/TIA 568-A

Cable Mode	Connector	Connector Color	Boot Color	Breakout Type	Breakout Color	Outer Jacket Color
Singlemode	LC	Blue	White	2 mm	Yellow	Black
	SC	Blue	Blue	2 mm	Yellow	Black
OM3	LC	Aqua	White	2 mm	Aqua	Black
	SC	Aqua	Black	2 mm	Aqua	Black

Criteria	Test Standards	Performance
Tensile and elongation	EIA/TIA-455-33	
Operating tensile strength	EIA/TIA-455-33	
Low-temp flexibility	EIA/TIA-455-37	
Cyclic flexing	EIA/TIA-455-104	2000
Crush resistance	EIA/TIA-455-41	1800 N/cm or greater
Impact	EIA/TIA-455-25	200
Temperature cycling	EIA/TIA-455-3	-46°C to 85°C
Temperature/humidity cycling	EIA/TIA-455-3 Method B	
Fire rating	LSZH	
Life aging	EIA/TIA-455-4	
Freezing water immersion	EIA/TIA-455-98	

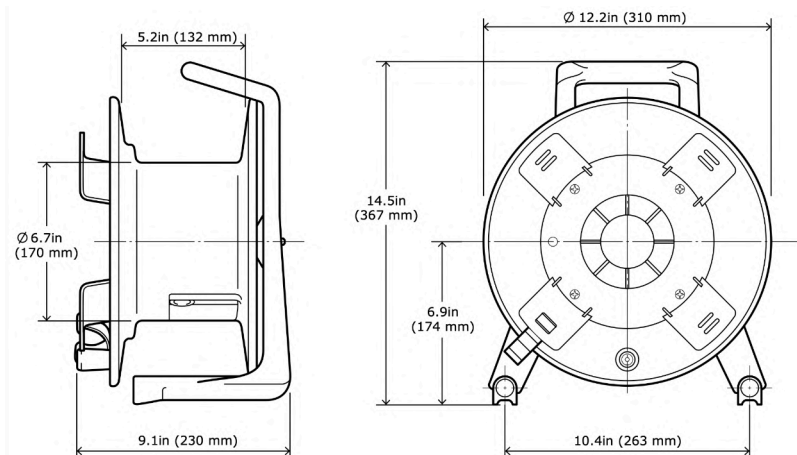
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[www.fiberopticlink.com](http://www.fiberopticlink.com)

### Specifications (cont'd)

Fiber Mechanical Data		
Outer Jacket Color	Black	
Fiber Count	6	
Nominal Diameter	Inches	0.24
	(mm)	6.4
Nominal Weight	lb/1000ft	22.2
	(kg/km)	(33)
Maximum tensile Load lbs (N)	Installation	400 (1780)
	Long Term	130 (578)
Minimum Bend Radius Inches (cm)	Installation	3.6 (9.2)
	Long Term	2.4 (6.1)
Temperature Range	Installation	-46°C to +85°C
	Operation	-46°C to +85°C
	Long Term	-55°C to +85°C

Pull Sheath	
Type	Zipper Closed Cable Pulling Sleeve
Closure	Delrin Coil Zipper
Diameter	1-1/8 in
	19 mm
Overall Length	4 ft
	1.2 m
Break Strength	600 lb Min./in
Material Thickness	0.05 in
	1.3 mm
Max. Operating Temp.	212°F (100°C)
Min. Operating Temp.	14°F (-10°C)
Standards	REACH Compliant



Cable Spool - Unloaded	
Overall Height	14.5 in.
	367 mm
Overall Width	12.2 in.
	310 mm
Overall Depth	9.1 in.
	230 mm
Nominal Unloaded Weight	3.9 lbs.
	1,78 kg

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### Ordering Information

Connector Type	Singlemode	OM3
SC	RLH-06TTSM2-SCSC-B18-F-1	RLH-06TTMX2-SCSC-B18-F-1
LC	RLH-06TTSM2-LCLC-B18-F-1	RLH-06TTMX2-LCLC-B18-F-1

- To order Tactical Fiber Cable Assemblies, please visit the Tactical Fiber Cable page on our web site to select the desired length and connector options, and order directly online, or contact us for assistance.

### Contact

By Mail: Att: Sales  
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936 N. Main St.  
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By Phone: Local 714-532-1672  
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