

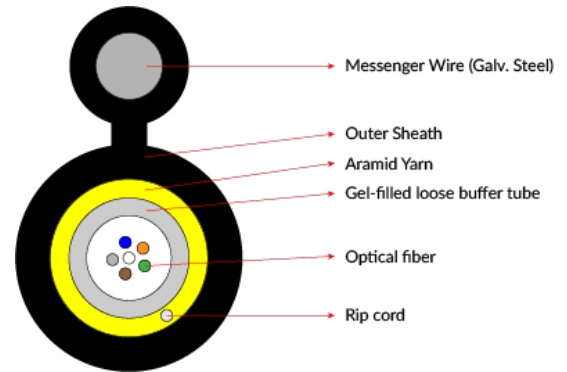
OSPFIBER™

OSPFiber™ LSZH Figure-8

Single Mode OS2 Fiber with Messenger for Drop, Direct Burial & Aerial Applications

Features at a Glance

- Single Mode OS2 fiber
- 6 or 12 strand Figure-8 Format
- Black LSZH (Low-Smoke Zero-Halogen) jacket
- Weather-rated for water & UV exposure
- Steel messenger wire for aerial suspension or underground toning
- 305m (1000ft.) or 610m (2000ft.) spool lengths
- UL listed & RoHS compliant



OSPFiber™ Figure-8 fiber optic cable is constructed as a gel-filled loose-tube cable with an integrated galvanized steel messenger wire, and an overall outdoor-rated LSZH jacket. The cable is designed for aerial, underground direct burial and FTTH (fiber-to-the-home / fiber-to-the-business) applications.

Specifications

Fiber Count	6 or 12 strand (TIA-598-C color code)
Outer Jacket	Flame retardant low-smoke zero halogen (LSZH); outdoor-rated for exposure to UV and water; black color
Internal Jacket	Loose Tube (gel-filled)
Outer Jacket Size	5.9mm x 11.1mm (+/- 0.5mm)
Strength Member	1.2mm diameter galvanized steel

Physical Characteristics

Fiber Type	Bend Insensitive Single Mode OS2 - ITU-T G.657.A2
Fiber Core Diameter	9µm
Fiber Internal Coating Diameter	250µm
Fiber Cladding Diameter	125µm
Wavelength	1310 / 1550nm
Maximum Attenuation	<0.36dB/km @ 1310nm <0.35dB/km @ 1383nm <0.22dB/km @ 1550nm
Network Link Length (10Gb/s)	10,000m
Fiber minimum Bend Radius	30mm (1.18 inches)

Environmental

Storage Temperature	-40°C to +60°C
Operating Temperature	-40°C to +60°C
Ratings	UL1666 & UL1685 FT4 (flame rating), RoHS
Aerial Span Distance (Max)	Heavy Loading: 50m (164 ft) Medium Loading: 70m (230 ft) Light Loading: 100m (328 ft)

Testing

Tensile	Conforms to IEC 60794-1-21 E1
Crush	Conforms to IEC 60794-1-21 E3
Impact	Conforms to IEC 60794-1-21 E4
Repeated Bending	Conforms to IEC 60794-1-21 E6
Temperature Cycling	Conforms to IEC 60794-1-22 F1

Part Numbers

1,000ft. stock spool - 6 fiber	S2I-6F-L-BK-1000
2,000ft. stock spool - 6 fiber	S2I-6F-L-BK-2000
1,000ft. stock spool - 12 fiber	S2I-12F-L-BK-1000
2,000ft. stock spool - 12 fiber	S2I-12F-L-BK-2000

