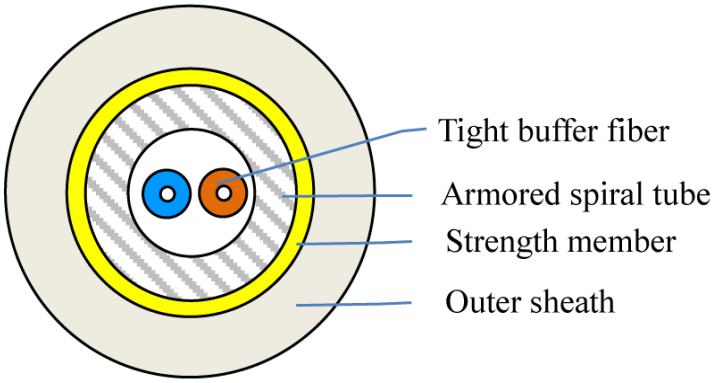
Duplex Spiral Tube Armored FO Cable
Specifications



Properties of Single Mode Fiber

Items	Description	
	Before Cable	After Cable
Attenuation at 1310 nm	≤0.35dB/km	≤0.40dB/km
Attenuation at 1550 nm	≤0.21dB/km	≤0.30dB/km
Cable cut-off wavelength	≤1260 nm	
Zero-dispersion wavelength	1300 ~ 1324 nm	
Zero-dispersion slop	≤0.092 ps/(nm^2 km)	
Mode field diameter	@ 1310 nm 8.4~9.3μm	
Core/Clad concentricity error	≤0.5μm	
Cladding diameter	125±0.7μm	
Cladding non-circularity	≤0.7%	
Primary Coating diameter	245±5μm	
Cladding-coating concentricity	12μm	
Numerical Aperture	0.14	
Macro-bend inducted attenuation 7.6 mm radius, 1 turn 10 mm radius 1 turn	 1550nm≤Δ0.05 dB/km 1550nm≤Δ0.01 dB/km	

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Cable Dimensions and Constructions

Item		Description
Tight Buffer Fiber	Fiber count	2
	Diameter	0.6 mm
	Buffer material	LSZH
	Color code	Blue / Orange
Spiral Tube	Diameter	Φ 2.0mm
	Material	SUS 200CU
Strength member		Aramid yarns
Outer Sheath	Material	LSZH
	Color code	White
Cable diameter		4.0±0.2mm
Cable weight		26kg/km

Mechanical and Environmental Characteristics

Item		Description	
Tensile Strength	IEC 60794-1-2-E1	Short-term	200N
		Long-term	100N
Crush Resistance	IEC 60794-1-2-E3	Short-term	3000N/100mm
		Long-term	2000N/100mm
Temperature Range	IEC 60794-1-2-F1	-20℃-+60℃	
Bending Radius	Static	10xCable diameter	
	Dynamic	20xCable diameter	

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Reference Standard

- ANSI/TIA-568-C
- ISO/IEC 11801
- BELLCORE GR 20
- IEC 794-1
- ITU-T G.657A2
- RoHS Compliant

Characteristics

- Good mechanical and environmental characteristics
- Flame retardant characteristics meet the requirements of relevant standards
- The mechanical characteristics of jacket meet the requirements of relevant standards
- Soft, flexible, easy to lay and splice, and with big capacity data transmission
- LSZH and flame retardant sheath
- Tight tube and dry core structure make is simplify installation and maintenance

Packaging

Wooden Drums Protection

Delivery Length

Standard delivery length is 1km/drum and any length more than 0.5km shall be accepted.

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Ordering Information

P/N	Description
R2901021	F/O Cable, SM, G657A2, Duplex, Tight Buffer, Spiral Tube Armored, Aramid Yarns, LSZH