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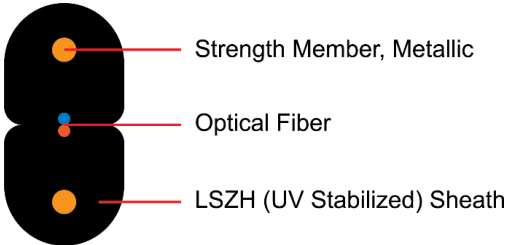
LINK AMERICAN STANDARD



Scope of Application

LINK FTTR OVAL, Supper-S Series Cable, LSZH is designed to use for FTTx / FTTR systems which is small diameter, light weight, can be used in many solutions. It is simple structure, tough and durable. Also, it has small bending and fatigue lifetime is over than all standard of singlemode fiber. The cable jacket is black with FR-LSZH.

Drawing



Technical Standard

- Optical Fiber ITU-T G.657A2
- Fully compatible ITU-T G.652
- Fire Protection Meet the requirements of IEC 60332-1
- Comply to IEC60754-1&2, IEC61034-2
- Environmental Standards RoHS compliant

Features and Benefits

- Simple structure, light weight and practical
- Two metallic strength member protects the fiber with tensile strength
- Easier to be stripped, connected, simple installation and maintenance
- Safe and environment friendly with FR-LSZH jacket



OPTICAL FIBER

Items		Specifications
Fiber Type		SINGLEMODE, G.657A2
Max. / Typ. Attenuation	1310 nm	$\leq 0.35 / \leq 0.33$ dB/km
	1383 nm	$\leq 0.35 / \leq 0.31$ dB/km
	1490 nm	$\leq 0.24 / \leq 0.22$ dB/km
	1550 nm	$\leq 0.21 / \leq 0.19$ dB/km
	1625 nm	$\leq 0.23 / \leq 0.20$ dB/km
Mode field diameter		$8.6 \pm 0.4 \mu\text{m}$ @1310 nm
Cladding Diameter		$125 \pm 0.7 \mu\text{m}$
Coating Diameter, Primary		$242 \pm 5 \mu\text{m}$
Coating Diameter, Secondary		$250 \pm 15 \mu\text{m}$
Core concentricity error		$\leq 0.5 \mu\text{m}$
Cladding Non-circularity		$\leq 1.0 \%$
Core/Cladding Concentricity error		$\leq 0.5 \mu\text{m}$
Coating/Cladding Concentricity error		$\leq 12 \mu\text{m}$
Zero Dispersion Wavelength		1300 ~ 1324 nm
Zero Dispersion Slope		$\leq 0.092 \text{ ps}/(\text{nm}^2.\text{km})$
Chromatic Dispersion	λ ; 1310 nm	$\leq 3.5 \text{ ps}/\text{nm.km}$
	$\lambda = 1550 \text{ nm}$	$\leq 18 \text{ ps}/\text{nm.km}$
	$\lambda = 1625 \text{ nm}$	$\leq 22 \text{ ps}/\text{nm.km}$

CABLE CONSTRUCTION

Items		Specifications		
Number of Fiber		1 Core	2 Core	4 Core
Strength Member	Material	Metallic		
	Diameter	0.4 mm.		
	Number	2		
Outer Jacket	Material	Flame Retardant LSZH		
	Thickness	$\geq 0.3 \text{ mm.}$		
Cable Outer Diameter		2.0 x 3.0 mm.		
Cable Weight (Approx.)		9.3 kg/km.		
Tensile Strength	Installation	200 N.		
	Operation	100 N.		
Crush Resistance		2000 N./100 mm.		
Bending Radius	Installation	30 mm.		
	Operation	15 mm.		



TEMPERATURE RANGE

- Operation Temperature : -20°C to +70°C
- Installation Temperature : -20°C to +70°C
- Storage/Shipping Temperature : -30°C to +70°C

ORDER INFORMATION

FTTR OVAL, SUPPER-S SERIES CABLE, LSZH

Descriptions	1 Core	2 Core	4 Core
FTTR OVAL, Supper-S Series Cable, LSZH	UFH9221	UFH9222	UFH9224

Specifications subject to change without notice.

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