



UFH9521
UFH9522
UFH9524

LINK AMERICAN CABLING



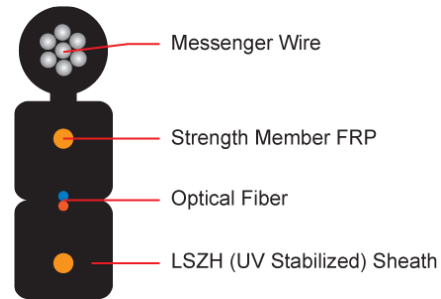
FTTx FLAT, STRANDED DROP

CABLE, FR-LSZH, FRP, INDOOR-OUTDOOR

Scope of Application

LINK FTTx/FTTR fiber optic cable is designed to use for FTTx/FTTR systems which is small diameter, light weight, can be used in many solutions. It is simple structure, touch and durable. Also it has small bending and fatigue lifetime is over than all standard of single-mode 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
- Can be with stranded messenger wire (7x0.33 mm) having higher tensile strength
- Two FRP 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	≤ 0.35 / ≤ 0.33 dB/km
	1383 nm	≤ 0.35 / ≤ 0.31 dB/km
	1490 nm	≤ 0.24 / ≤ 0.22 dB/km
	1550 nm	≤ 0.21 / ≤ 0.19 dB/km
	1625 nm	≤ 0.23 / ≤ 0.20 dB/km
Mode field diameter		8.6 ± 0.4 μm @1310 nm
Cladding Diameter		125 ± 0.7 μm
Coating Diameter, Primary		242 ± 5 μm
Coating Diameter, Secondary		250 ± 15 μm
Core concentricity error		≤ 0.5 μm
Cladding Non-circularity		≤ 1.0 %
Core/Cladding Concentricity error		≤ 0.5 μm
Coating/Cladding Concentricity error		≤ 12 μm
Zero Dispersion Wavelength		1300 ~ 1324 nm
Zero Dispersion Slope		≤ 0.092 ps/(nm ² .km)
Chromatic Dispersion	λ ; 1310 nm	≤ 3.5 ps/nm.km
	λ = 1550 nm	≤ 18 ps/nm.km
	λ = 1625 nm	≤ 22 ps/nm.km

CABLE CONSTRUCTION

Items		Specifica		
Number of Fiber		1 Core	2 Core	4 Core
Strength Member	Material	FRP		
	Diameter	0.5 mm.		
	Number	2		
Outer Jacket	Material	Flame Retardant LSZH		
	Thickness	≥ 0.3 mm.		
Messenger Wire		Stranded Steel Wire 7 x 0.33 mm (1.0 mm.)		
Cable Outer Diameter		2.0 x 3.0 mm.		
Overall Diameter		2.0 x 5.2 mm.		
Cable Weight		21 kg/km		
Maximum Span Length		40 m		
Maximum Wind Velocity		144 km/hr		
Tensile Strength	Installation	>660 N.		
	Operation	>330 N.		
Crush Resistance		2200 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

FTTx FLAT, STRANDED DROP CABLE, LSZH

Descriptions	1 Core	2 Core	4 Core
FTTx FLAT, Stranded Drop Cable, LSZH	UFH9521	UFH9522	UFH9524

Specifications subject to change without notice.

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