



PRODUCT DESCRIPTION

- Drop cable all dielectric for Fiber To The Home (FTTH or FTTx) application containing 2 (250 µm) individually colored single mode optical fibers. The cable contains two Fiber Reinforced Plastic (FRP) strength members and Low Smoke Zero Halogen (LSZH) jacket with nominal dimension 2 x 3 mm.

FEATURES/ BENEFITS

- Choice of fiber types
- Single mode optical fiber meeting ITU-T G.657A1 or ITU-T G.657A2
- Individually colored optical fibres
- Notched 2 x 3 mm construction for easy stripping
- White LSZH jacket for internal use
- Black LSZH jacket for short distance external use

APPLICATIONS

- Internal FTTH applications horizontal and riser
- Clipping to surfaces including skirting boards
- Short distance external use with black LSZH jacket
- Black LSZH jacket for short distance external use

FIBER PARAMETERS

No.	Items		Unit	Specification G.657A1
1	Mode Field Diameter	1310nm	µm	9.0±0.4
		1550nm	µm	10.1±0.5
2	Cladding Diameter		µm	124.8±0.7
3	Cladding Non-Circularity		%	≤0.7
4	Core-Cladding Connectivity Error		µm	≤0.5
5	Coating Diameter		µm	245±5
6	Coating Non-Circularity		%	≤6.0
7	Cladding-Coating Connectivity Error		µm	≤12.0
8	Cable Cutoff Wavelength		nm	≤1260
9	Attenuation(max.)	1310nm	dB/km	≤0.4
		1550nm	dB/km	≤0.3
10	Macro-Bending Loss	1turn×10mm radius @1550nm	dB	≤0.75
		1turn×10mm radius @1625nm	dB	≤1.5



CABLE PARAMETERS

Items	Unite	Specifications
Tension (Long Term)	N	40
Tension (Short Term)	N	80
Crush (Long Term)	N/10cm	500
Crush (Short Term)	N/10cm	1000
Min. Bend Radius (Dynamic)	mm	30
Min. Bend Radius (Static)	mm	15
Installation Temperature	N/A	-20~+60
Operating Temperature	N/A	-40~+70
Storage Temperature	N/A	-40~+70

Items	Specifications	
Fiber Count	2	
Colored Coating Fiber	Dimensions	250±15µm
	Color	Blue-Orange
Strength Member	Dimensions	0.5mm
	Material	FRP
Jacket	Dimensions	3.0±0.1mm×2.0±0.1mm
	Material	LSZH
	Color	White

ORDERING

Part Number	Product Description
FO-FTTH-IN-9A1-2F-LSZH-WH	Fiber Optic Direct Burial Outdoor Cable, 2 cores, Single Mode, Flat, White
FO-FTTH-IN-9A1-2F-LSZH-BK	Fiber Optic Direct Burial Outdoor Cable, 2 cores, Single Mode, Flat, Black



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