



FTTH FLAT DROP CABLE -OUTDOOR

DESCRIPTION

METACOM FTTH flat drop outdoor cables are constructed with a flat profile jacket containing one, two or four fibers. The optical fibers contained in the center of the cable are protected by dielectric strength members made of steel wire or Fiber Reinforced plastic (FRP) and outer jacket is LSZH (Low Smoke Zero Halogen) comes in both white or black. Its majorly used for FTTx applications between the building's main telecommunications room and the apartment/office consolidation point and can also be used for FTTD applications.

STANDARDS & FEATURES

ITU.T G.652D / G.657A/B
ISO/IEC 11801 , ISO/IEC 24702
LSZH: IEC 60332-1, IEC 60754, IEC 61034
Fiber-count 1, 2 and 4 fibers
Suitable for tight corners and bends
White LSZH jacket for internal use
Color-coded fibers for easy identification

APPLICATIONS

CCTV
FTTH/FTTx applications



FIBER PARAMETERS

No.	Items		Unit	Specification	Specification	Specification
				G.652D	G.657A1	G.657A2
1	Mode Field Diameter	1310nm	μm	9.2±0.4	9.0±0.4	8.8±0.4
		1550nm	μm	10.4±0.5	10.1±0.5	9.8±0.5
2	Cladding Diameter		μm	124.8±0.7	124.8±0.7	124.8±0.7
3	Cladding Non-Circularity		%	≤0.7	≤0.7	≤0.7
4	Core cladding Concentricity Error		μm	≤0.5	≤0.5	≤0.5
5	Coating Diameter		μm	245±5	245±5	245±5
6	Coating Non-Circularity		%	≤6.0	≤6.0	≤6.0
7	Cladding-Coating Concentricity Error		μm	≤12.0	≤12.0	≤12.0
8	Cable Cutoff Wavelength		nm	λ _{cc} ≤1260	λ _{cc} ≤1260	λ _{cc} ≤1260
9	Attenuation(max.)	1310nm	dB/km	≤0.4	≤0.35	≤0.35
		1550nm	dB/km	≤0.3	≤0.21	≤0.21
10	Macro-Bending Loss	1turn × 10mm radius@1550nm	dB	/	≤0.75	≤0.5
		1turn × 10mm radius@1625nm	dB	/	≤1.5	≤1.0

CABLE PARAMETERS

Items		Specifications		
Fiber Count		1	2	4
Colored Coating Fiber	Dimension	250±15μm		
	Color	Blue	Blue、Orange	Blue、Orange、Green、Brown
Jacket	Dimension	(2.0±0.1) × (3.0±0.1) mm		
	Material	LSZH		
	Color	BLACK		
Strength Member		0.4mm Steel Wire +1.0mm Steel Wire		



MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Items	Unite	Specifications
Tension(Long Term)	N	500
Tension(Short Term)	N	1000
Crush(Long Term)	N/10cm	1000
Crush(Short Term)	N/10cm	2200
Min. Bend Radius(Dynamic)	mm	60
Min. Bend Radius(Static)	mm	30
Operating Temperature	°C	-20~+60
Storage Temperature	°C	-20~+60

ORDERING INFORMATION

PART NUM	DESCRIPTION
MC-DRPO-XXX-YY-LZ-B	Fiber Optic Singlemode outdoor Drop Cable, LSZH, black

xxx = OS1, OS2, 7A1, 7A2, 7B2, 7B3, yyy = 001,002 and 004 core
 l: indoor, O: outdoor, Standard reel length 1000m & 2000m

