

FTTH DROP CABLE

FLAT Type

DESCRIPTION

FTTH flat drop cable have two parallel steel strength members or FRP offer superior crush resistance and protection to the fiber cores.

Light weight, compact design and excellent low bending attenuation make it especially suitable for complicated wiring within indoor environment.



OPTICAL FIBER

PARAMETER	SPECIFICATION(ITU-T G. 657 B3)
Optical Characteristics	
Attenuation coefficient @ 1310 nm @ 1383 nm @ 1550 nm @ 1625 nm	≤ 0.40 dB/km \leq @1310 nm dB/km loss↓ ≤ 0.30 dB/km ≤ 0.35 dB/km
Attenuation vs. Wavelength Max. α difference	≤ 0.03 dB/km at 1285 ~ 1330 nm ≤ 0.02 dB/km at 1525 ~ 1575 nm
Zero-dispersion wavelength	1300 ~ 1324 nm
Zero-dispersion slope	≤ 0.092 ps/(nm ² .km)
PMD Maximum Individual Fiber	≤ 0.1 ps/km ^{1/2}
Cable cut-off wavelength	≤ 1260 nm
Mode field diameter @ 1310 nm	8.8 ± 0.4 μ m
Geometrical Characteristics	
Cladding diameter	125.0 ± 0.7 μ m
Cladding non-circularity	≤ 0.7 %
Coating diameter	245 ± 5 μ m
Coating-Cladding concentricity error	≤ 12.0 μ m
Coating Non-circularity error	≤ 6.0 %
Core-Clad concentricity error	≤ 0.5 μ m
Curl (Radius)	≥ 4 m

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CABLE CONSTRUCTION

ITEMS	DESCRIPTION
Number of Fiber	1 and 2
Messenger Wire	Galvanized Steel Wire 1.2mm
Strength Member	FRP, 0.5mm 2ea
Outer Jacket	LSZH (Low Smoke Zero Halogen)
Outer diameter(Dimension)	2x3mm(Without Messenger Wire) 2x5mm(With Messenger Wire)

RELIABILITY REQUIREMENT

ITEMS	TEST METHOD AND ACCEPTANCE CRITERIA
Tensile Loading Test	# Test method: TIA/EIA-455-33A -. Attenuation increment: ≤0.20 dB
Compressive Test	# Test method: TIA/EIA-455-41A -. Attenuation increment : ≤0.20 dB
Impact Test	# Test method: TIA/EIA-455-25B -. Attenuation Increment: ≤0.20 dB
Cyclic Flexing Test	# Test method: TIA/EIA-455-104A -. Attenuation Increment: ≤0.20 dB
Temperature Cycling Test	# Test method: TIA/EIA-455-3A -.Attenuation Increment:≤0.30dB/km

ORDERING INFORMATION

PRODUCT	PART NUMBER	DESCRIPTION
Flat Type Drop Cable	FODC-F2030-S1C(A2)LZ-SS	Fiber Optic Drop Cable 2.0x3.0mm Flat type, 1C, G.657.A2, LSZH, with Self Supporting
	FODC-F2030-S2C(A2)LZ-00	Fiber Optic Drop Cable 2.0x3.0mm Flat type, 2C, G.657.A2, LSZH, without Self Supporting
	FODC-F1620-S1C(A2)LZ-00	Fiber Optic Drop Cable 1.6x2.0mm Flat type, 1C, G.657.A2, LSZH, without Self Supporting