

CFC90D04LSBK | 4 Core Fiber Optic Outdoor Drop Cable Single Mode G.657A2



Product Description:

CTS Fiber solution offers small, lightweight and bend insensitive optical drop cables that are suitable for FTTx applications. The cables can be used with fast connectors for quick connection or standard pigtails using fusion/mechanical splicing.

Applications:

Fiber-to-the-Premise (FTTx)
Outdoor Application

Standards:

IEC 60793-1; IEC 60793-2
IEC 60794-2; ITU-T G.650
ITU-T G.657; EIA/TIA 598

Features & Benefits:

FRP strength member
Colour coded fibers
Black Low Friction LSZH Outer Sheath
Steel Wire Messenger Wire

*Images are for representative purposes only

Fiber Cable Construction:

Fiber Type	Single Mode OS2 compliant to ITU-T G.657A2
Fiber Count	4
Colour coding	Blue, Orange, Green, Brown
Outer jacket	Low Smoke Zero Halogen (LSZH)
Jacket Colour	Black
Steel Wire Diameter	1.0 ± 0.1 mm
FRP Diameter	0.5 ± 0.1 mm
Outer Diameter	2.0 ± 0.2 mm * 4.8 ± 0.2 mm
Cable weight	21.0 kg/km ± 15%
Operation Temperature	-30 deg C to + 70 deg C
Installation Temperature	-10 deg C to + 70 deg C
Transport and storage temperature	-30 deg C to + 70 deg C

Optical Specifications:

Coating / Cladding Diameter	250 ± 5.0 µm / 125 ± 1.0 µm
Cladding Non-circularity	≤ 1.0%



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Core/clad Concentricity Error	≤ 0.6 μm		
Attenuation @1310 nm	≤ 0. 35 dB/km	≤ 0.40 dB/km After Cabling	
Attenuation @1550 nm	≤ 0.21 dB/km	≤ 0.30 dB/km After Cabling	
Chromatic Dispersion @1310 nm	≤3.5 ps / nm·km		
Chromatic Dispersion @1550 nm	≤18.0 ps / nm·km		
Zero Dispersion Wavelength	1300~1324 nm		
Zero Dispersion Slope	≤ 0.092 ps/nm2·km		
Mode Field Diameter @1310 nm	9.2 ± 0.4 μm		
Macro Bending Loss	10 turns; Φ30 mm	@1550 nm	≤ 0.25 dB
		@1625 nm	≤ 1.0 dB
	1 turns; Φ20 mm	@1550 nm	≤ 0.75 dB
		@1625 nm	≤ 1.50 dB

Mechanical Specifications:

Proof Stress	≥ 1 %	
Max. tensile load	500 N	
Crush resistance	500 N/10cm	
Minimal bending radius	30 mm Dynamic	15 mm Static

Testing Standards:

Mode field diameter	IEC 60793-1-45
Core/clad concentricity	IEC 60793-1-20
Cladding diameter	IEC 60793-1-20
Cladding non-circularity	IEC 60793-1-20
Attenuation coefficient	IEC 60793-1-40
Chromatic dispersion	IEC 60793-1-42
Cable cut-off Wavelength	IEC 60793-1-44

Ordering Information:

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