

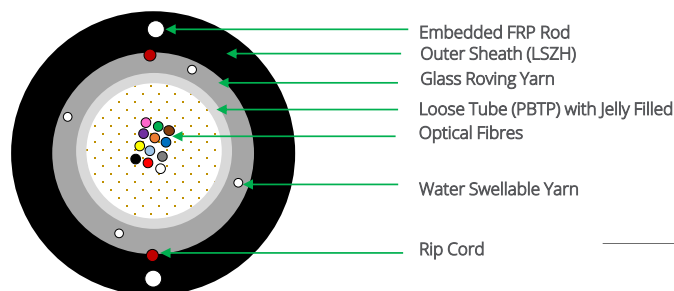
SINGLEMODE FIBER

INDOOR/OUTDOOR CABLE

NCB-FS09X-UULS-YY/3H

D-Link[®]

AltraNET[®]
series



D-Link Unitube Single Jacket Duct Fibre Optic Cable is used for outdoor applications in cable trays or ducts or aerial drop for access inside campus and within buildings. This cable consists of colour coded optical fibres placed in a central tube along with gel to protect from water ingress and is surrounded with strength yarns which provides tensile to the core. Thermoplastic sheath placed over the dielectric armor layer makes the cable user friendly.

FEATURES & BENEFITS

- Cables are rodent protected
- Easily removable rugged jacket
- Flexible, light weight, easy to handle & install
- Tensile and crush resistant
- UV protected
- Tightly controlled physical parameters

PHYSICAL CHARACTERISTICS

Fibre Type	Singlemode
Fibre Count per Tube	6/12
Tube Diameter (mm)	1.8 ± 0.1
Peripheral Strength Member (mm)	Glass Roving Yarn
Moisture Barrier	Water Swellable Yarns
Embedded Strength Member	FRP Rod
Outer Sheath Material	LSZH, Black
Outer Sheath thickness (mm)	1.65 (Nominal)
Nominal cable diameter (mm)	6.0 ± 0.5
Cable Weight (kg/km)	45 ± 10%
Ripcord	Yes, 2 below armor

MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Max. Tensile Strength	950 N
Crush Resistance	1800 N/100mm x 100mm
Impact Strength	10
Torsion	±180°, 25N
Repeated Bend	20 D, 30 times, 25 N
Minimum Bending Radius	20 D (During Installation), 15D (After installation)
Temperature Range	-10°C to +60°C (Installation), -20°C to +70°C (Operation), -30°C to +70°C (Storage)

All tests shall be carried out as per IEC 60794 / GR 20 standards. Change in attenuation at 1300 nm shall be ≤ 0.5 dB/Km

FIBER CABLES



dlinkmea.com/scs

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CABLE CHARACTERISTICS

Fibre Count	Fibre Per Tube	No of Tubes	Tube Colour	Sheath Colour	Fibre Color	Diameter (mm)	Weight of Cable (kg/km)
6	6	1	White	Black	BL,OR,GR,BR,SL,WH	6.0 ± 0.5	45 ±10%
12	12	1	White	Black	BL,OR,GR,BR,SL, WH, RD, BK, YL,VI,PK,AQ.	6.0 ± 0.5	45 ±10%

Note:- Where BL=Blue,OR=Orange,GR=Green,BR=Brown,SL=Slate,WH=White,RD=Red,BK=Black,YL=Yellow,VI=Yellow,PK=Pink, & AQ=Aqua.

TRANSMISSION CHARACTERISTICS

Attenuation (dB/km)

@ 1310 nm: ≤ 0.33 (Natural Fibre)

@ 1550 nm: ≤ 0.20 (Natural Fibre)

@ 1310 nm: ≤ 0.34 (Coloured Fibre)

@ 1550 nm: ≤ 0.22 (Coloured Fibre)

Chromatic Dispersion (ps/nm.km)

@ 1285-1330 nm: ≤ 3.5 @ 1550 nm: ≤ 18.0

≤ 0.20

PMD @ 1310 and 1550 nm (ps/√km)

≤ 0.092

Zero Dispersion Slope (ps/nm2.km)

1300 to 1324 nm

Zero Dispersion wavelength (nm)

≤ 1260 @

Cable Cut off Wavelength (nm)

1310 nm: 8.4 – 9.5, @ 1550 nm: 9.5 – 10.5

MFD @ 1310nm (μm)

125 ± 0.5

Clad dia. (μm)

≤ 0.5

Clad non-circularity (%)

≤ 0.3

Core-Clad concentricity error (μm)

242 ± 5

Coating dia. (μm) uncolored

≤ 12.0

Coating-Cladding concentricity (μm)

PACKAGING INFO

Packing: 300m Fiber in a box

ORDERING INFORMATION

MODEL NAME

DESCRIPTION

NCB-FS09X-UULS-06/3H

06 Core Singlemode (09/125um) Unitube UnArmoured Fiber Cable - LSZH Sheath-300m roll

NCB-FS09X-UULS-12/3H

12 Core Singlemode (09/125um) Unitube UnArmoured Fiber Cable - LSZH Sheath-300m roll

