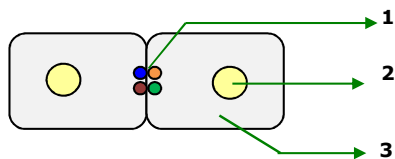


Flat Drop Fibre Optic Cable

Product details

D-Link Flat Drop Cable is an enhanced performance FTTH solution, constructed with one/two/four single mode / bend sensitive fibres, protected by two strength members and covered with outer sheath which makes the cable robust and installation friendly. This cable is very light and easy to install and strip. Industry standard connectors can be used for direct termination because of standard 250µm fibre size. Colored fibre is for easy identification. Low Smoke Zero Halogen Compound Jacket is appropriate for indoor use.



1. FIBER
2. EMBEDDED STRENGTH MEMBER
3. FR LSZH OUTER SHEATH

Product Application

These cables can be used for indoor applications and last link for the FTTH Networks, Indoor riser level cable distribution and for connecting Main distribution frame to consolidation point in home, apartment or office

offices

Features & Benefits

- Available in 1,2 or 4 fibre count in either single-mode or multi-mode optical fibres
- Special low-bend-sensitivity fibre provides high bandwidth and excellent communication transmission property
- Two parallel strength members ensure good performance of crush resistance to protect the fibre
- Simple structure, light weight and high practicability
- More bandwidth, reliability and low cost
- Novel flute design, easily strip and splice, simplify the installation and maintenance
- Low smoke, zero halogen and flame retardant sheath
- Industry standard connectors can be used for direct Termination
- Tightly controlled physical parameters
- Combination of fibre types available on request



FTTH



Totally Dielectric



Flame retardant



High Flexibility

Flat Drop Fibre Optic Cable

Performance Standards

Cable complies to the following main Standards IEC.60794 series, ANSI/ICEA S-87-640, Telcordia GR-20, ITU-T Recommendations, GR-409, RoHS

Specifications

Physical Characteristics				
Fibre Count	1-4			
Nominal Diameter (mm) ± 0.3mm	2.0 X 3.0			
Nominal Weight (kg/km) ± 10%	8			
Mechanical and environmental Characteristics				
Test	Standard / Notes	Product Performance		
Max. Tensile Strength (N)	IEC-60794-1-21-E1	100		
Bending Radius	IEC-60794-1-21-E11	Dynamic = 20D, Static = 15D		
Crush Resistance (N/100mm)	IEC-60794-1-21-E3	500		
Impact strength (N.m)	IEC-60794-1-21-E4	4		
Torsion	IEC-60794-1-21-E7	± 180°		
Drip Test	IEC-60794-1-21-E14	30 cm, 70°C, 24 hr		
Water Penetration	IEC-60794-1-22-F5B	1m water head, 3m samples, 24 hrs no water leakage		
Temperature Cycling	IEC-60794-1-22-F1	Installation: -10°C to +60°C	Operation: -20°C to +70°C	Storage: -30°C to +70°C

** After the test, the change in attenuation shall be ≤ 0.05 dB/km. No damage or crack on cable and no fiber break.

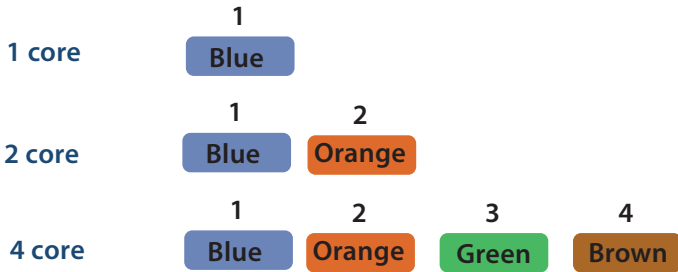
Cabled Optical Fibres Characteristics

The optical fibres are in accordance to the specifications ITU-T G.657A1.

Physical Characteristics						
Fibre Type	Attenuation coefficient, dB/km (Average/Maximum)			PMD, ps/√km	PMD LDV ps/√km	Cut-off Wavelength (lcc), nm 1310nm
	1310 nm	1550 nm	1625 nm			
G657A1 fibre	≤ 0,4	≤ 0,3	≤ 0,4	≤ 0,4	≤ 0,4	≤ 0.30

Flat Drop Fibre Optic Cable

Tube / Fibre Standard Colour Code (as per EIA/TIA 598)



Packing and lengths

Packing: Plastic drums

Lengths (tolerance $\pm 5\%$): 2000 Mtrs

Note - Customised drum lengths available on request.

Ordering Info

Product No.	Description
NCB-FS09X-FDLS-01	01 Core Single Mode Flat Drop FTTH Indoor/Outdoor Fiber Cable - LSZH Sheath - White Colour
NCB-FS09X-FBLS-01	01 Core Single Mode Flat Drop FTTH Indoor/Outdoor Fiber Cable - LSZH Sheath - Black Colour
NCB-FS09X-FDLS-01-ST	01 Core Single Mode Flat Drop FTTH Indoor/Outdoor Fiber Cable with steel strengthen member - LSZH Sheath - White Colour
NCB-FS09X-FBLS-01-ST	01 Core Single Mode Flat Drop FTTH Indoor/Outdoor Fiber Cable with steel strengthen member - LSZH Sheath - Black Colour
NCB-FS09X-FDLS-02	02 Core Single Mode Flat Drop FTTH Indoor/Outdoor Fiber Cable - LSZH Sheath - White Colour
NCB-FS09X-FBLS-02	02 Core Single Mode Flat Drop FTTH Indoor/Outdoor Fiber Cable - LSZH Sheath - Black Colour
NCB-FS09X-FDLS-02-ST	02 Core Single Mode Flat Drop FTTH Indoor/Outdoor Fiber Cable with steel strengthen member - LSZH Sheath - White Colour
NCB-FS09X-FBLS-02-ST	02 Core Single Mode Flat Drop FTTH Indoor/Outdoor Fiber Cable with steel strengthen member - LSZH Sheath - Black Colour
NCB-FS09X-FDLS-04	04 Core Single Mode Flat Drop FTTH Indoor/Outdoor Fiber Cable - LSZH Sheath - White Colour
NCB-FS09X-FBLS-04	04 Core Single Mode Flat Drop FTTH Indoor/Outdoor Fiber Cable - LSZH Sheath - Black Colour
NCB-FS09X-FDLS-04-ST	04 Core Single Mode Flat Drop FTTH Indoor/Outdoor Fiber Cable with steel strengthen member - LSZH Sheath - White Colour
NCB-FS09X-FBLS-04-ST	04 Core Single Mode Flat Drop FTTH Indoor/Outdoor Fiber Cable with steel strengthen member - LSZH Sheath - Black Colour