



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

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 fiber size. Colored fibre is for easy identification. Low Smoke Zero Halogen Compound Jacket is appropriate for indoor use.

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

PHYSICAL CHARACTERISTICS

Fibre Count	1-4
Nominal Diameter (mm) ± 0.3mm	2.0 X 3.0
Nominal Weight (kg/km) ± 10%	8

MECHANICAL & 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: -20°C to +70°C



CABLE CHARACTERISTICS

The optical fibres are in accordance to the specifications ITU-T G.657A1 and ITU-T G.657A2.

Fibre Type	Attenuation coefficient, dB/km (Average/Maximum)			PMD, ps/√km	PMD LDV ps/√km	Cut-off Wavelength (λ _c), nm
	1310nm	1550 nm	1625 nm			
G657A1 fibre	≤ 0.40	≤ 0.3	≤ 0.4	≤ 0.4	≤ 0,4	1310nm
G657A2 fibre	≤ 0.40	≤ 0.30	≤ 0.22	≤ 0.1	≤ 0.06	1260nm

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



PACKAGING INFO

Packing: Plastic drums
Lengths (tolerance ±5%): 1000/2000 Mtrs
Note - Customised drum lengths available on request.

ORDERING INFORMATION

MODEL NAME	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-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-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-FBLS-02-ST	02 Core Single Mode Flat Drop FTTH Indoor/Outdoor Fiber Cable with steel strengthen member - LSZH Sheath - Black 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

