

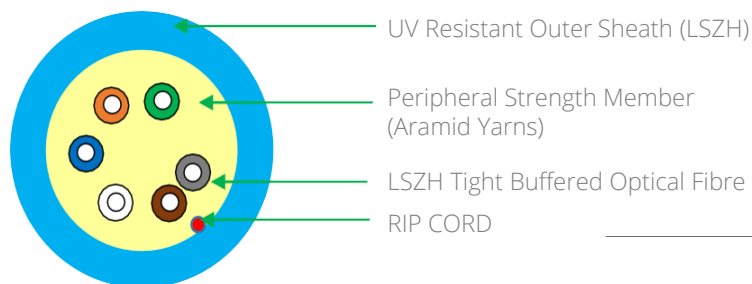
MULTIMODE FIBER

INDOOR CABLE

NCB-FM51I-UTLS-YY/3H

D-Link[®]

AltraNET[®]
series



D-Link Tight Buffer Riser Cables are an integral part of the end-to-end fiber optic solution, designed to support enhanced data needs along with future advancing network requirements. These cables are intended for riser application in multi-storey buildings. Tight buffered fibers are reinforced with aramid yarns and sheathed with Low Smoke Zero Halogen (LSZH). This cable is suitable for both indoor / outdoor application with standard commercial type connectors

FEATURES & BENEFITS

- Cables are all-dielectric construction
- 900µm tight buffered fibers
- Small cable diameter & lightweight
- Easy jacket removal using standard tools
- Flexible and Fire retardant outer sheath

PHYSICAL CHARACTERISTICS

Fibre Type	Multi-Mode OM3
Fibre Count	6/12
Tight Buffering Material	LSZH
Tight Buffered Fibre Diameter	0.90 ± 0.05
Peripheral Strength Member	Aramid Yarns
Moisture Barrier	Water Swellable Yarns
Outer Sheath Material	LSZH, Aqua

MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Max. Tensile Strength	1000 N
Crush Resistance	2000 N/100mm x 100mm
Impact Strength	5 N, 10 Impacts
Torsion	±180°, 25N
Repeated Bend	20 D, 30 times, 25 N
Minimum Bending Radius	20 D
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



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CABLE CHARACTERISTICS

Fibre Count	Sheath Colour	Fibre Color	Diameter (mm)	Weight of Cable (kg/km)
6	Aqua	BL,OR,GR,BR,SL,WH	6.0 ± 0.5	35 ±10%
12	Aqua	BL,OR,GR,BR,SL, WH, RD, BK, YL,VI,PK,AQ.	6.5 ± 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)	@ 850 nm: ≤ 3.0 @ 1300 nm: ≤ 1.0
Bandwidth (MHz.km)	@ 850 nm: ≥ 1500 @ 1300 nm: ≥ 500
Zero Dispersion Slope (ps/nm ² .km)	≤ 0.110
Zero Dispersion wavelength (nm)	1295 to 1340 nm
Core dia. (μm)	50 ± 2.5
Clad dia. (μm)	125 ± 1.0
Clad non-circularity (%)	≤ 1.0
Core-Clad concentricity error (μm)	≤ 1.0
Coating dia. (μm)	245 ± 10
Coating-Cladding concentricity (μm)	≤ 12.0

PACKAGING INFO

Packing: 300m Fiber in a box

ORDERING INFORMATION

MODEL NAME

NCB-FM51I-UTLS-06/3H

NCB-FM51I-UTLS-12/3H

DESCRIPTION

06 Core Multimode (50/125um) OM3 Tight Buffer Fiber Cable - LSZH Sheath-300m roll

12 Core Multimode (50/125um) OM3 Tight Buffer Fiber Cable - LSZH Sheath -300m roll

FIBER CABLES



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