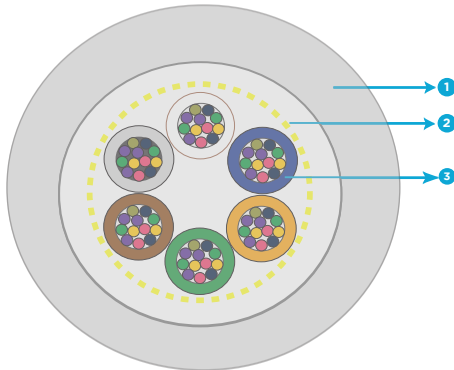


SINGLEMODE FIBER

MICROMODULE INDOOR RISER NCB-FS09IM-UMLS-YYY

D-Link[®]
AltraNET[®]
series



48F

1 OUTER JACKET 2 ARAMID YARNS 3 GEL FREE MODULE

FEATURES & BENEFITS

- Reduced diameter micro-modules manufactured from soft and flexible elastomeric material
- Fast and easy midspan access
- Fibre micro-modules are kink resistant and easily removed without the need for tools
- Ultra-compactness, easier storage and faster installation.
- Tightly controlled physical parameters
- UV protected.

PHYSICAL CHARACTERISTICS

Fibre Count	12-144
Fibre Type	Fibre ITU-T G.657A2
Maximum Cabled Attenuation (dB/km)	1310nm : 0.36, 1550nm : 0.23
Link Design PMD (ps/sqrt.km)	</= 0.1
Peripheral Strength Members	High Strength Aramid Yarns
Fibre Color Sequence	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua.
Outer Sheath Material	Ivory White or Yellow LSZH

PACKAGING AND LENGTHS

Drum Type	: Wooden Drums
Length Multiple (km)	: 2/4 ± 5%
Order Tolerance	: ± 5%
Short Lengths	: Max 5%, Customer Approval

D-Link Single Jacket riser cable for indoor distribution application is based on micro-module technology to create an optimized design suitable for use in vertical installation into the building scenarios. The micro-module units consist of groups of fibres protected by an easily strippable and flexible thermoplastic material.. These microstructures are dry micro-modules with fibers and are constrained in a flame retardant thermoplastic sheath making the cable robust and installation friendly.



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MICROMODULE INDOOR RISER

NCB-FS09IM-UMLS-YYY



CABLE CHARACTERISTICS

Fibre Count	Fibre per module	No. of Tubes	Tube Color Sequence	Cable Diameter (mm $\pm$ 0.5)	Cable Weight (kg/km $\pm$ 10%)	Max. Tensile Strength (N)
24	12	2	Blue, Orange	7.0	40	500
36	12	3	Blue, Orange, Green	7.5	42	500
48	12	4	Blue, Orange, Green, Brown	7.7	42	500
72	12	6	Blue, Orange, Green, Brown, Slate White	8.7	55	500
96	12	8	Blue, Orange, Green, Brown, Slate, White, Red, Black	9.2	60	500
144	12	12	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua	10.2	72	500

MECHANICAL & ENVIRONMENT CHARACTERISTICS

Cable Characteristics	Testing Standard	Cable Performance
Tensile Strength (N)	IEC-60794-1-21-E1	As per above table
Crush Resistance (N/100 mm)	IEC-60794-1-21-E3	1000
Impact Strength(Nm)	IEC-60794-1-21-E4	3
Torsion	IEC-60794-1-21-E7	$\pm 180^\circ$
Min. Bend Radius	IEC-60794-1-21-E11	Dynamic = 10D, Static = 15D
Temperature Performance	IEC-60794-1-22-F1	Max. change in attenuation shall be ≤ 0.15 dB/km
Installation		-5°C to +50°C
Operation		-30°C to +70°C
Storage		-30°C to +70°C

Note : All tests shall be carried out as per IEC standards. Change in attenuation after and before testing shall be ≤ 0.05 dB/km for Single Mode fibre and ≤ 0.3 dB/km for Multimode fibre.

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
NCB-FS09IM-UMLS-12	12 Core Single Mode Micromodule Indoor Riser Fiber Cable - LSZH Sheath
NCB-FS09IM-UMLS-24	24 Core Single Mode Micromodule Indoor Riser Fiber Cable - LSZH Sheath
NCB-FS09IM-UMLS-48	48 Core Single Mode Micromodule Indoor Riser Fiber Cable - LSZH Sheath
NCB-FS09IM-UMLS-72	72 Core Single Mode Micromodule Indoor Riser Fiber Cable - LSZH Sheath
NCB-FS09IM-UMLS-96	96 Core Single Mode Micromodule Indoor Riser Fiber Cable - LSZH Sheath
NCB-FS09IM-UMLS-144	144 Core Single Mode Micromodule Indoor Riser Fiber Cable - LSZH Sheath

