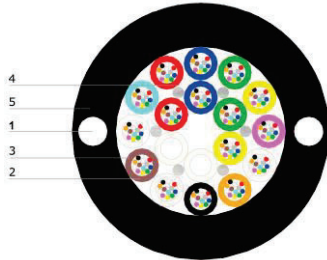




MicroTube Module12 I/O-FT

Multitube Dielectric Cable FTTx (Up to 144 FO)



Cable Description
01. FRP Strength Member
02. Fibre Optics
03. Micro Tubes (Flexible)
04. WB Elements
05. Outer Jacket

Applications
 Universal
 Internal/External Facade Buildings

Options
 Other fibre types available under request
 Special colour code
 Anti-rodent additive

Fire Resistance
 Halogen Free (IEC 60754-1/-2)
 Flame retardant (IEC 60332-1)
 Low smoke emission (IEC 61034-2)

CPR Classification (Euroclass)
 Reaction against Fire: Dca, s2, d2, a1
 Declaration Code: DOP01053



Advantages
 Compact / Resistant / Totally dielectric / Easy stripping / Flexible Tubes / Breakout window / Easy-to-access fibre core / High Density Fibre Cable



WATERTIGHT



MOISTURE PROTECTED



TOTALLY DIELECTRIC



HIGH FLEXIBILITY



HALOGEN FREE



FLAME RETARDANT



LOW SMOKE EMISSION



BREAKOUT WINDOW

SPECIFICATIONS

Fibre Count	12	24	36	48	72	96	144
Fibres per Tube	12						
Active Tubes	1	2	3	4	6	8	12
Outer Jacket	LSZH ¹						
Jacket Colour	Black						
Weight (Kg/Km)	30	36	38	40	59	76	83
Outer Ø (mm)	7.2 ±0.3	8.0 ±0.3	8.0 ±0.3	8.0 ±0.3	10.2 ±0.5	11.5 ±0.5	11.5 ±0.5
Max Tensile Load (N)	2200						
Max. Crush (N/dm)	2200 (Short) / 1100 (Long) (IEC 60794-1-21 E3)						
Max. Impact (J)	5 (IEC 60794-1-21 E4)						
Temperature Range	-30°C to +70°C (IEC 60794-1-22 F1)						
Water Leakage	Pass (Optical Core, 3m / 1m / 24h, IEC 60794-1-22 F5B)						
Min. Bending Radius (mm)	20 x Outer Ø (IEC 60794-1-21 E11)						

Standards

Mechanical and Environmental tests according to IEC 60794-1-21 and IEC 60794-1-22.

Fibre Colour Code (FRT Code): Red – Blue – Green – Yellow – Violet – White – Orange – Grey – Brown – Black – Turquoise – Pink.

Fibre and MicroTubes Colour Code (FRT Code): Red – Blue – Green – Yellow – Violet – White – Orange – Grey – Brown – Black – Turquoise – Pink.

¹LSZH – Halogen free, low smoke emission and flame retardant thermoplastic compound.

All technical specifications are subject to change without prior notice. Consult OPTRAL for the latest edition.