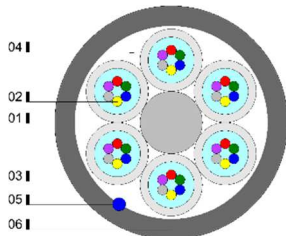


OPTRAL



miniABD (M12) / A-DQ(ZN)2Y Multitube Distribution Cable FTTx (up to 288 FO)



Cable Description

- 01. Central Element (GRP)
- 02. Fibre Optics
- 03. Loose Tubes (Jelly Filled)
- 04. Waterblocking Yarns
- 05. Ripcord
- 06. Outer Jacket

Applications

Outdoor
Ducts
Air Blowing ¹

Options

A-DQ(ZN)H (LSZH Outer Jacket)
A-DQ(ZN)4Y (PA12 Outer Jacket)
Other jacket colour under request
Special colour code (TIA 598, VDE 0888, ...)

CPR Classification (Euroclass)

Reaction to Fire: Fca
Declaration Code: DOP03100

Advantages

Compact / Tough / Resistant / Totally Dielectric / Excellent resistance to friction / Suitable for "air blowing" systems.



TOTALLY
DIELECTRIC



MOISTURE-
PROTECTED



WATERTIGHT



LOW
FRICTION



ULTRAVIOLET
RESISTANCE

SPECIFICATIONS

Fibre Count	24	36	48	72	96	144	192	288
Total Tubes	6	6	6	6	8	12	18	24
Active Tubes	2	3	4	6	8	12	16	24
Tube Ø (mm)	1.40 ±0.1							
Fibres per Tube	12	12	12	12	12	12	12	12
Outer Jacket	High Density Polyethylene (HDPE) – Black							
Weight (Kg/Km)	27	28	29	30	39	65	54	77
Outer Ø (mm)	5.4 ±0.2	5.4 ±0.2	5.4 ±0.2	5.4 ±0.2	6.2 ±0.2	7.9 ±0.2	8.0 ±0.2	9.3 ±0.2
MicroDuct inner ² Ø (mm)	8	8	8	8	8	10	10	12
Max. Tensile Load (N)	450	450	450	450	1000	1000	450	1000
Max. Crush (N/dm)	500 (IEC 60794-1-21 E3)							
Temperature Range	-30°C to +70°C (Operation and Storage) / -10°C to +50°C (Installation)							
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.

Fibres and Tubes colour code (TIA-598): Blue – Orange – Green – Brown – Grey – White – Red – Black – Yellow – Violet – Pink – Turquoise. Passive tubes colour Black.

192FO Tubes colour code: 1st LAYER – Blue – Orange – Natural (Passive) – Brown – Grey – Natural(Passive). 2nd LAYER - Blue – Orange – Green – Brown – Grey – White – Red – Black – Yellow – Violet – Pink – Turquoise.

288FO Tubes colour code: 1st LAYER – Blue – Orange – Green – Brown – Grey – White – Red – Black – Yellow. 2nd LAYER – Blue – Orange – Green – Brown – Grey – White – Red – Black – Yellow – Violet – Pink – Turquoise – Blue(marked) – Orange(marked) – Green(marked).

¹ Optral recommends the use of driven belts cable feeder for installation.

² Recommended inner Microduct diameter.