

Fibre Optic



GOF

Metallic Armoured Multitube
CPR Class: Cca - s1a, d2, a1

Design

- **Central Element (GRP)**
- **Fibres Optic**
- **Loose Tube**
- **Strenght members**
Reinforce Reinforcements (WB)
- **Ripcord**
- **Inner sheath**
LSZH (low smoke zero halogen)
- **Metallic Armour**
Corrugated steel armor
- **Ripcord**
- **Outer sheath**
LSZH (low smoke zero halogen)
- **Colour**
Upon request

Special Features

- Sunlight resistant
- Watertight
- Moisture protected
- Special colour code upon request (EIA/TIA 598)

Type of Application

- Middle-high level CPR classification
- Indoor/Outdoor

Norm references and Approvals

- **Reference standard**
Single Mode: ITU-T G.652.D
Multi-Mode: G651.1
- **Determination of acidity**
IEC 60754-2
- **Smoke emission**
IEC 61034-2
- **Fire behavior**
IEC 60332-1-3
IEC 60331-25

DoP Number

- DOP01254

Technical data

- Dimensions:**
Primary coated fiber: 250µm
Cable: see table
- Core identification code:**
Red - Green - Blue - Yellow - Grey
Violet - Brown - Orange - White - Pink - Black - Turquoise.
Other colors code available on request
- Tube identification code:**
Red - Green - Natural - ... - Natural.
Passive tubes black color.
- Fibre type:**
GOF - Glass Fiber
- Optical fibre type**
Core material: glass
Cladding material: glass
- Temperature range:**
during operation: -30° to +70°C
during installation: -10° to +50°C
- Minimum Bending Radius:**
Occasional Flex: 15 x Outer Diameter
Fixed Installation: 20 x Outer Diameter
- Permissible tensile force:**
Max. tensile load during installation (N): 1800
Max. crush (N/10cm): 3000

Number of fibers	Fibers per tube	Total/Active tubes	Outer diameter (mm)	Weight (kg/km)	Fibres Type
Multimode MM50					
1-12	12	6 / 1	14	218	50/125µm (OM2 / OM3 / OM4 / OM5)
16	8	6 / 2	14	218	50/125µm (OM2 / OM3 / OM4 / OM5)
24	12	6 / 2	14	219	50/125µm (OM2 / OM3 / OM4 / OM5)
32	8	6 / 4	14	219	50/125µm (OM2 / OM3 / OM4 / OM5)
36	12	6 / 3	14	219	50/125µm (OM2 / OM3 / OM4 / OM5)
48	12	6 / 4	14	220	50/125µm (OM2 / OM3 / OM4 / OM5)
64	8	8 / 8	14	250	50/125µm (OM2 / OM3 / OM4 / OM5)
72	12	6 / 6	14	222	50/125µm (OM2 / OM3 / OM4 / OM5)
96	12	8 / 8	15,5	252	50/125µm (OM2 / OM3 / OM4 / OM5)
144	12	12 / 12	18	348	50/125µm (OM2 / OM3 / OM4 / OM5)
Single mode SM					
1-12	12	6 / 1	14	218	9/125µm (OS1 / OS2)
16	8	6 / 2	14	218	9/125µm (OS1 / OS2)
24	12	6 / 2	14	219	9/125µm (OS1 / OS2)
32	8	6 / 4	14	219	9/125µm (OS1 / OS2)
36	12	6 / 3	14	219	9/125µm (OS1 / OS2)
48	12	6 / 4	14	220	9/125µm (OS1 / OS2)
64	8	8 / 8	14	250	9/125µm (OS1 / OS2)
72	12	6 / 6	14	222	9/125µm (OS1 / OS2)
96	12	8 / 8	15,5	252	9/125µm (OS1 / OS2)
144	12	12 / 12	18	348	9/125µm (OS1 / OS2)

Unless specified, the shown product values are nominal. Detailed values (e.g. tolerances) are available upon request