

Fibre Optic



GOF

Metallic Armoured Unitube
CPR Class: Cca - s1a, d0, a1

Design

- **Fibre Optics**
- **Central Tube**
- **Streight members**
Fiberglass 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

- DOP01255

Technical data

- Dimensions:**
Primary coated fiber: 250µm
Cable: see table
- Core identification code:**
Pairs: orange & blue
Other colors code available on request
- 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): 3200
Max. crush (N/10cm): 2000

Number of fibers	Outer diameter (mm)	Weight (kg/km)	Fibres Type
Multimode MM50			
2	10,0 ± 0,5	131	50/125µm (OM2 / OM3 / OM4 / OM5)
4	10,0 ± 0,5	131	50/125µm (OM2 / OM3 / OM4 / OM5)
6	10,0 ± 0,5	131	50/125µm (OM2 / OM3 / OM4 / OM5)
8	10,0 ± 0,5	131	50/125µm (OM2 / OM3 / OM4 / OM5)
12	10,0 ± 0,5	131	50/125µm (OM2 / OM3 / OM4 / OM5)
16	10,0 ± 0,5	131	50/125µm (OM2 / OM3 / OM4 / OM5)
24	10,0 ± 0,5	131	50/125µm (OM2 / OM3 / OM4 / OM5)
Single mode SM			
2	10,0 ± 0,5	131	9/125µm (OS1 / OS2)
4	10,0 ± 0,5	131	9/125µm (OS1 / OS2)
6	10,0 ± 0,5	131	9/125µm (OS1 / OS2)
8	10,0 ± 0,5	131	9/125µm (OS1 / OS2)
12	10,0 ± 0,5	131	9/125µm (OS1 / OS2)
16	10,0 ± 0,5	131	9/125µm (OS1 / OS2)
24	10,0 ± 0,5	131	9/125µm (OS1 / OS2)

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

Photographs are not to scale and do not represent detailed images of the respective products, technical sheets including detailed constructions and performances are available upon request