

Fire Survivability Cable

Description

2-12 Fibre Fire Survivability Double Jacket Cable with Metallic Armouring and Strength Members

Extremely rugged 2-12 fibre indoor/outdoor fire survivability cable consisting of a stainless steel gel filled loose tube, LSZH low smoke zero halogen inner jacket with stranded steel strength members. Corrugated steel tape armouring and LSZH final jacket for enhanced fire resistance.

Features

- ▶ **Double jacket steel tube and metallic armour design for optimized fire resistance within buildings**
- ▶ **Design proven to meet the requirements of IEC 60331-25, fire survivability 750°C for 90 minutes**
- ▶ **The cable meets the fire propagation requirements of IEC 60332 parts 1 and 3**
- ▶ **The cable meets the smoke emission requirements of IEC 61034 parts 1 and 2**
- ▶ **The cable jacket material meets the acid gas emission requirements of IEC 60754 parts 1 and 2**

Benefits

- ▶ **The cable will maintain network integrity without fibre breakage under severe prolonged fire conditions**
- ▶ **The cable will withstand water sprinkler quenching shock**
- ▶ **Ruggedised construction for indoor/outdoor duct and direct burial environments**

Technical Specification (TIA/EIA-455)

| PARAMETER | SPECIFICATION | UNITS |
|-------------------------------------|--|----------------|
| Pulling Tension | 2700(short term) 1000(long term) | N N |
| Crush Resistance | 2000 | N/10cm |
| Impact Resistance | 5 | Newton-Meters |
| Minimum Bend Radius at MPT | 20 times | Cable Diameter |
| Minimum Bend Radius at zero tension | 10 times | Cable Diameter |
| Longitudinal Water Blocking | 1 meter water head ,3 meter cable length | 24 hours |
| Operating Temperature | -40 to +70 | °C |
| Cable Design Lifetime | >25 | Years |
| Installation temperature range | -20 - +70 | °C |
| Storage temperature range | -20 - +70 | °C |
| Weight | 140 | Kg/Km |
| Nominal diameter | 12.8 | mm |

Ordering Information

| DESCRIPTION | PART NO. |
|------------------------|----------------------|
| OM1 62.5/125 Multimode | OM1FSU**UBK-C |
| OM2 50/125 Multimode | OM2FSU**UBK-C |
| OM3 50/125 Multimode | OM3FSU**UBK-C |
| OM4 50/125 Multimode | OM4FSU**UBK-C |
| OS1/OS2 Singlemode | OS1FSU**UBK-C |

