STUDY 133287

CONTACT

Market information
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Singlemode Optic Fibre Cable
9/125

STANDARDS

Test IEC 60793

International ITU-T Rec. G.652

CONSTRUCTION

SPECIAL OPTICAL FIBRE
Core + cladding + coating
Silica/Silica/Silicone
Type (9/125/242) µm

BUFFER
Silicone
Diameter: 400 µm

PRIMARY JACKET
Copolymer High Temperature
Diameter: 0.90mm +/- 0.05mm

MECHANICAL STRENGTH
High modulus tensile strength members

OUTER JACKET
Copolymer High temperature
Diameter : 1.50 mm (for info)
+ Fluorinated polymer
Diameter: 1.80 mm +/- 0.10 mm

CABLE PREPARATION FOR CONNECTOR MOUNTING

- Stripping of outer jacket.
- Comb textile members with your nail or a plastic tool to separate each textile fibre from each other
- Strip optical fibre to remove silicone coating (Same tool as telecom fibre, for example: Miller stripping tool).

STONG POINT

- Mechanical properties:
  - High tensile resistance
  - High flexibility
  - Low weight / Small diameter
  - Low bending radius
  - Easy strippability
- Optical properties:
  - High band width
  - Low cost ferrules (Telecom component)
- Chemical properties:
  -High chemical resistance
  - Very low smoke and toxicity
  - No flame propagation

MAIN TARGET APPLICATIONS

- Harsh environments such as:
  - Aeronautics
  - Geophysics
  - Missile
  - Chemical industry

SELLING AND DELIVERY INFORMATION

IDENTIFICATION

Colour of Jacket: Red (TBC)
Color of Marking: TBD
Marking Text: TBD