

### CONTACT

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Singlemode Optic Fibre Cable  
9/125

### STANDARDS

**Ensayo** IEC 60793

**International** ITU-T Rec. G.652

### CONSTRUCTION

#### SPECIAL OPTICAL FIBRE

Core + cladding + coating  
Silica/Silica/Silicone  
Type (9/125/242)  $\mu\text{m}$

#### BUFFER

Silicone  
Diameter: 400  $\mu\text{m}$

#### 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