

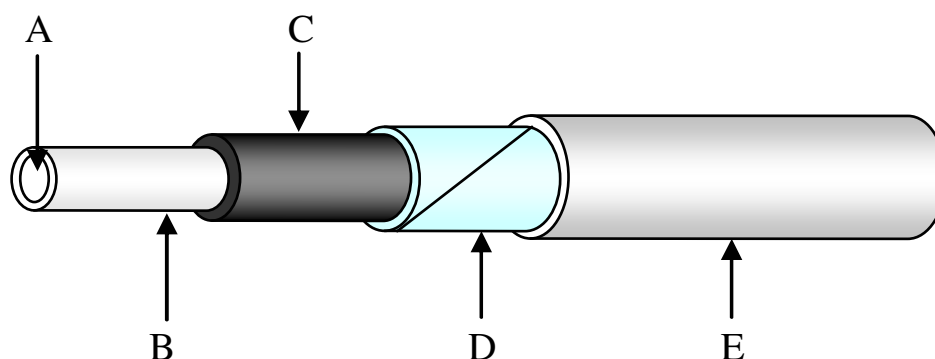


Technical Dept.

TECHNICAL DATA SHEET

Specification n° 747.FO.800

**PLASTIC OPTICAL FIBER CABLE WITH “FEP” OUTER JACKET  
AND METAL WRAPPING**



**CONSTRUCTION:**

- |                     |  |
|---------------------|--|
| - A) Core:          | Polymethyl-MethAcrylate (PMMA)<br>diameter: 980 $\mu\text{m} \pm 10 \mu\text{m}$ |
| - B) Cladding:      | fluorinated polymer<br>diameter: 1,000 $\mu\text{m} \pm 10 \mu\text{m}$          |
| - C) Inner jacket:  | thermoplastic compound LSZH<br>colour: black<br>nominal diameter: 2.20 mm        |
| - D) Flame barrier: | aluminium/polyester tape with min. thick 0.022 mm                                |
| - E) Outer jacket:  | FEP<br>colour: natural/white<br>nominal diameter: 3.0 mm $\pm 0.10$ mm           |

**TECHNICAL DATA:**

- |                          |                  |
|--------------------------|------------------|
| - Attenuation at 650 nm: | 175 dB/Km max.   |
| - Attenuation at 850 nm: | 3,000 dB/Km typ. |
| - Numerical aperture:    | 0.47             |
| - Temperature range:     | -55°C to +105°C  |