



Cavo F.O. 9/125 OS2 Mono-Modale Int./Est. LSZH-Armatura Dielettrica

Cavi F.O.



| Parametri Fibra | |
|--------------------------------------|--|
| Tipo | G.657A1 |
| Mode field diameter | 1310nm: 9,0 ±0.4µm / 1550nm: 10,1 ±0.5µm |
| Cladding diameter | 124,8 ±0.7µm |
| Cladding non-circularity | ≤0,7% |
| Core-Cladding concentricity error | ≤ 0,5µm |
| Coating diameter | 245 ±5µm |
| Coating non-circularity | ≤6,0% |
| Cladding-Coating concentricity error | ≤ 12µm |
| Cable Cutoff Wavelength | $\lambda_{cc} \leq 1260\text{nm}$ |
| Attenuation coefficient (max.) | 1310nm ≤0,40 dB/km – 1550nm ≤0,30 dB/km |
| Macro-Bending Loss | 1 turn x 10mm radius @1550nm: ≤0,75dB 1 turn x 10mm radius @1625nm: ≤1,50dB |

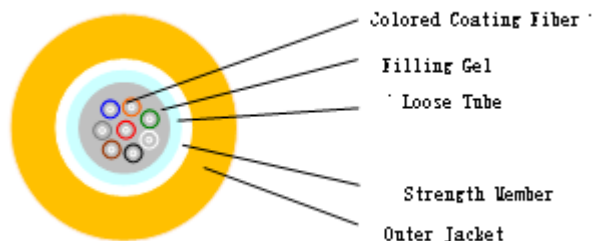
| Caratteristiche costruttive | |
|-----------------------------|---|
| Numero Tubi | 1 |
| Diametro Tubo | 2,10mm ±0.1mm |
| Loose tube material | PBT |
| Loose tube color | Natural |
| Colored Coating Fiber | dimensione: 250µm±15µm colore: blu, arancio, verde, marrone, grigio, bianco, rosso, nero |
| Strength member | Glass Yarn |
| Spessore parete guaina | 1,3mm ±0.1mm |
| Diametro cavo | 5,50mm ±0.2mm |

| Prestazioni meccaniche ed ambientali | |
|--|----------------|
| Long term tension | 300N |
| Short term tension | 600N |
| Long term crush | 300N/10cm |
| Short term crush | 1000N/10cm |
| Raggio minimo di curvatura (posa statica) | 10 x Diam. ex. |
| Raggio minimo di curvatura (posa dinamica) | 20 x Diam. ex. |
| Temperatura esercizio/stoccaggio | -30°C ~ +60°C |
| Temperatura di posa/installazione | -20°C ~ +50°C |

| Guaina esterna | |
|----------------|---|
| Tipo | LSZH Giallo |
| Marcatura | ECS – Number FO OS2 9/125 G657 OUTDOOR-INDOOR LSZH Eca ORDER NR. METER MARKING |

| Test | R.to Normativo | Valore numerico | Criterio di accettazione |
|---------------------|--------------------|----------------------------------|---|
| Trazione | IEC 60794-1-21-E1 | 600N | $\Delta\alpha \leq 0,25$ dB/km – Fiber draw ratio $\leq 0,45\%$ |
| Crush | IEC 60794-1-21-E3 | 1000N/100mm (maximum 15 minutes) | $\Delta\alpha \leq 0,05$ dB – No damage |
| Crash | IEC 60794-1-21-E4 | 2.5 Nm, 3 impacts, R= 300mm | $\Delta\alpha \leq 0,05$ dB |
| Torque | IEC 60794-1-21-E7 | 100N, $\pm 180^\circ$ 10 cycles | $\Delta\alpha \leq 0,05$ dB – No damage |
| Repeated bending | IEC 60794-1-21-E11 | 20xD., 1Kg, 3 cycles | $\Delta\alpha \leq 0,05$ dB – No damage |
| Bending radius | IEC 60794-1-21-E6 | R=20xD., 4 turns, 3 cycles | $\Delta\alpha \leq 0,05$ dB – No damage |
| Temperature cycling | IEC 60794-1-22-F1 | -20°C ~ +70°C | Maximum value 0,05 dB/km |

| Codice smart | Codice interno | Nr. Fibre | Colore Guaina | Confezione | Diametro mm. | Peso Kg/Km | Raggio min. curvatura |
|-------------------|-------------------|-----------|---------------|--------------|--------------|------------|-----------------------|
| FOS2-08 /B4000 | FOHFFD08EIS2GIB40 | 8 | Giallo | bobina 4000m | 5,5mm | 31,00 | 10xExt.Diam. |
| FOS2-08 /M100 | FOHFFD08EIS2GIM01 | 8 | Giallo | matassa 100m | 5,5mm | 31,00 | 10xExt.Diam. |
| FOS2-12-NE /B4000 | FOHFFD12EIS2NEB40 | 12 | Nero | bobina 4000m | 7,4mm | 32,00 | 10xExt.Diam. |
| FOS2-12-NE /M100 | FOHFFD12EIS2NEM01 | 12 | Nero | matassa 100m | 7,4mm | 32,00 | 10xExt.Diam. |



I Dati riportati sono da considerarsi indicativi e non strettamente vincolanti.

European Cable Service S.r.l. - Tel. +39 0583 436283 - www.europeancableservice.it - info@europeancableservice.it