



Cavo F.O. 9/125 OS2 Est.PE-Armato Metallico

Cavi F.O.



Parametri Fibra	
Tipo	G.657A1
Mode field diameter	1310nm: $9,0 \pm 0,4 \mu\text{m}$ / 1550nm: $10,1 \pm 0,5 \mu\text{m}$
Cladding diameter	$124,8 \pm 0,7 \mu\text{m}$
Cladding non-circularity	$\leq 0,7\%$
Core-Cladding concentricity error	$\leq 0,5 \mu\text{m}$
Coating diameter	$245 \pm 5 \mu\text{m}$
Coating non-circularity	$\leq 6,0\%$
Cladding-Coating concentricity error	$\leq 12 \mu\text{m}$
Cable Cutoff Wavelength	$\lambda_{cc} \leq 1260\text{nm}$
Attenuation coefficient (max.)	1130nm $\leq 0,40 \text{ dB/km}$ – 1550nm $\leq 0,30 \text{ dB/km}$
Macro-Bending Loss	1 turn x 10mm radius @1550nm: $\leq 0,75\text{dB}$ 1 turn x 10mm radius @1625nm: $\leq 1,50\text{dB}$

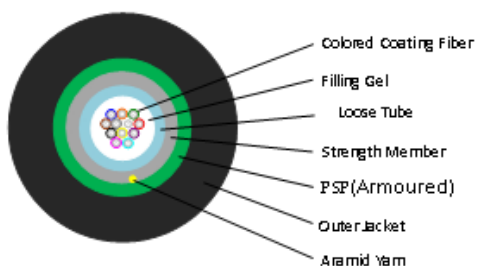
Caratteristiche costruttive	
Numero Tubi	1
Diametro Tubo	$2,80\text{mm} \pm 0,15\text{mm}$
Loose tube material	PBT
Loose tube color	Natural
Colored Coating Fiber	dimensione: $250 \mu\text{m} \pm 15 \mu\text{m}$ colore: blu, arancio, verde, marrone, grigio, bianco, rosso, nero, giallo, viola, rosa, verde acqua
Strength member	Glass Yarn
PSP (Armoured)	17mm (model number)
Diametro cavo	$7,70\text{mm} \pm 0,3\text{mm}$

Prestazioni meccaniche ed ambientali	
Long term tension	240N
Short term tension	700N
Long term crush	300N/10cm
Short term crush	1000N/10cm
Raggio minimo di curvatura (posa statica)	15 x Diam. ex.
Raggio minimo di curvatura (posa dinamica)	20 x Diam. ex.
Temperatura esercizio/stoccaggio	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Temperatura di posa/installazione	$-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$

Guaina esterna	
Tipo	PE Nero
Marcatura	ECS – Number FO OS2 9/125 G657 OUTDOOR Pe Fca ORDER NR. METER MARKING

Test	R.to Normativo	Valore numerico	Criterio di accettazione
Trazione	IEC 60794-1-21-E1	480N	$\Delta\alpha \leq 0,25$ 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	4.5 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	Numero Fibre	Colore Guaina	Confezione	Diametro mm.	Peso Kg/Km	Raggio min. curvatura
AR-FOS2-04 /B4000	AR-FOPEFM04EXS2NEB40	4	Nera	bobina 4000m	7,7mm	60.00	15xExt.Diam.
AR-FOS2-04 /M100	AR-FOPEFM04EXS2NEM01	4	Nera	bobina 4000m	7,7mm	60.00	15xExt.Diam.
AR-FOS2-08 /B4000	AR-FOPEFM08EXS2NEB40	8	Nera	bobina 4000m	7,7mm	60.00	15xExt.Diam.
AR-FOS2-08 /M100	AR-FOPEFM08EXS2NEM01	8	Nera	matassa 100m	7,7mm	60.00	15xExt.Diam.
AR-FOS2-12 /B4000	AR-FOPEFM12EXS2NEB40	12	Nera	bobina 4000m	7,7mm	60.00	15xExt.Diam.
AR-FOS2-12 /M100	AR-FOPEFM12EXS2NEM01	12	Nera	matassa 100m	7,7mm	60.00	15xExt.Diam.
AR-FOS2-24 /B4000	AR-FOPEFM24EXS2NEB40	24	Nera	bobina 4000m	7,7mm	60.00	15xExt.Diam.
AR-FOS2-24 /M100	AR-FOPEFM24EXS2NEM01	24	Nera	matassa 100m	7,7mm	60.00	15xExt.Diam.



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

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