



Cavo F.O. 50/125 OM4 Est.PE-Armato Metallico

Cavi F.O.



Parametri Fibra	
Tipo	10G-550
Core diameter	50,0 $\pm$ 2.5 μ m
Cladding diameter	125,0 $\pm$ 1.0 μ m
Core non-circularity	$\leq$ 5,0%
Cladding non-circularity	$\leq$ 1,0%
Core-Cladding concentricity error	$\leq$ 1,5 μ m
Coating diameter	242 $\pm$ 5 μ m
Coating non-circularity	$\leq$ 6,0%
Cladding-Coating concentricity error	<12 μ m
OFL Bandwidth	850nm $\geq$ 3500 MHz/km – 1300nm $\geq$ 500 MHz/km

Effective Modal Bandwidth	850nm ≥4700 MHz/km – 1300nm ≥500 MHz/km
Attenuation coefficient	850nm ≤3,50 dB/km – 1300nm ≤1,50 dB/km

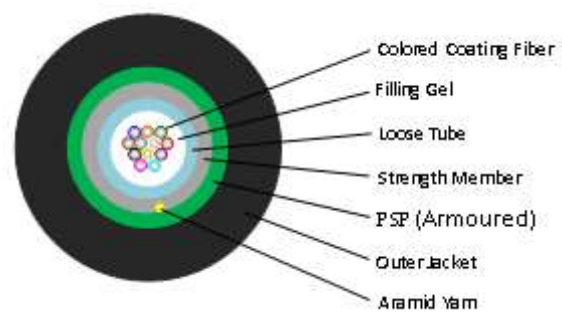
Caratteristiche costruttive	
Numero Tubi	1
Diametro Tubo	2,80mm ±0.15mm
Loose tube material	PBT
Loose tube color	Natural
Colored Coating Fiber	dimensione: 250µm±15µm colore: blu, arancio, verde, marrone, grigio, bianco, rosso, nero, giallo, viola, rosa, verde acqua
Strength member	Glass Yarn
PSP (Armoured)	17mm (model number)
Diametro cavo	7,70mm ±0.3mm

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°C ~ +70°C
Temperatura di posa/installazione	-10°C ~ +50°C

Guaina esterna	
Tipo	PE Nero
Marcatura	ECS – Number FO OM4 50/125 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-FOM4-08 /B4000	AR-FOPEFM08EXM4NEB40	8	Nero	bobina 4000m	7,7mm	60.00	15xExt.Diam.
AR-FOM4-08 /M100	AR-FOPEFM08EXM4NEM01	8	Nero	matassa 100m	7,7mm	60.00	15xExt.Diam.
AR-FOM4-12 /B4000	AR-FOPEFM12EXM4NEB40	12	Nero	bobina 4000m	7,7mm	60.00	15xExt.Diam.
AR-FOM4-12 /M100	AR-FOPEFM12EXM4NEM01	12	Nero	matassa 100m	7,7mm	60.00	15xExt.Diam.
AR-FOM4-24 /B4000	AR-FOPEFM24EXM4NEB40	24	Nero	bobina 4000m	7,7mm	65.00	15xExt.Diam.
AR-FOM4-24 /M100	AR-FOPEFM24EXM4NEM01	24	Nero	matassa 100m	7,7mm	65.00	15xExt.Diam.



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

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