




Fiber optic cable

**ARMOURED 8 FO
FIRE-RESISTANT
FIBERPROOF®**

SLT SINGLE LOOSE TUBE

**Gammafiber Code
10081A-SD2M-FR-Z180**

CABLE SERIE

J/A-DQ(BN)H(SR)H 8SM9/125-G652D-FR180-Eca

GENERAL FEATURES

- Universal Indoor/Outdoor use.
- CLT-Central Loose Tube cable, hydro-blocking gel.
- Up to 24 fibers diam.250µm
- Waterblocking tape over the loose tube
- CST-Corrugated Steel Tape armour
- Rodent Proof
- Dual sheath LSZH-CPR.Eca-Black
- REACH and ROHS compliance.
- Fire Resistant IEC60331.25 – 180'
- Fire Retardant IEC-EN60332-3-22(cat.A)

MECHANICAL AND ENVIRONMENTAL PROPERTIES

Test	Value	Unit	Method / Note	Fibre colour coding - IEC60304 (or EIA/TIA 598B)			
Cable outer diameter	12,5 ± 0,4	mm	EN 60811-203	First group		Second group	
Cable weight (approx)	200	kg/km		1 Red	7 Brown		
Outer jacket thickness (approx)	2,0	mm		2 Green	8 Purple		
Loose tube diameter	3,2	mm		3 Blue			
Max. tensile strength	2500	N	EN 60794-1-E1	4 Yellow			
Crush resistance test	10000	N	EN 60794-1-E4	5 White			
Impact resistance test	30	J	EN 60794-1-E3	6 Grey			
Bending radius (Static/Dynamic)	15 / 20	O.D.	IEC 60794-1-E11	Tube colour coding – Coloured Option			
Moisture resistance test	Pass		EN 60794-1-22-F5	1 White (or custom)			
Temperature range	Installation	-15 to + 50	°C	Cable Code Legend			
	Operation	-30 to + 80	°C	8 =	Nr. of Fibers		
	Storage&Trasp.	-40 to + 80	°C	SM9=	Type of Fibers		
Sheath material	LSZH-FR		EN 50290-2-27	FIBERPROOF is a Registered name from Gammafiber Srl			
Sheath colour	Black		anti-UV	Fire Resistant	IEC 60331.25 180+15 minutes		
Fire Performace	Eca		UE-305/11 CPR & EN60332-3-22(A)				

FIBER TYPE SINGLE-MODE ITU-T G.652D – IN CABLE VALUES – OS2

Mode Field Diameter (Core)	9,2 +/- 0,4 µm @ 1310nm	Bending-loss performance of optical fiber (100 turns, 50mm diameter @1550nm & 1625nm)	≤ 0,05 dB ≤ 0,10 dB
Cladding Diameter	125,0 ± 0,7 µm	P.M.D. individual fiber	≤ 0,2 ps/√km
Coating Diameter	250 ± 15 µm (coloured)	Polarization mode dispersion link	≤ 0,1 ps/√km
Core/cladding concentricity error	≤ 0,5 µm	Point discontinuity	0,05dB
Cladding Non-Circularity	≤ 1,0%	Zero dispersion wavelength	1300 – 1324 nm
Coating –Cladding Concentricity	≤ 12 µm	Zero dispersion slope	≤ 0,092 ps/(nm ² ·km)
Att.@ 1310 nm (maximum)	≤ 0,36 dB/km , in cable	Group Refractive Index :	
Att.@ 1550 nm (maximum)	≤ 0,22 dB/km , in cable	@ 1310 nm	1,466
		@ 1550 nm	1,467

GAMMAFIBER Order Information

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