GAMMAFIBER Srl – P.IVA 04282600164
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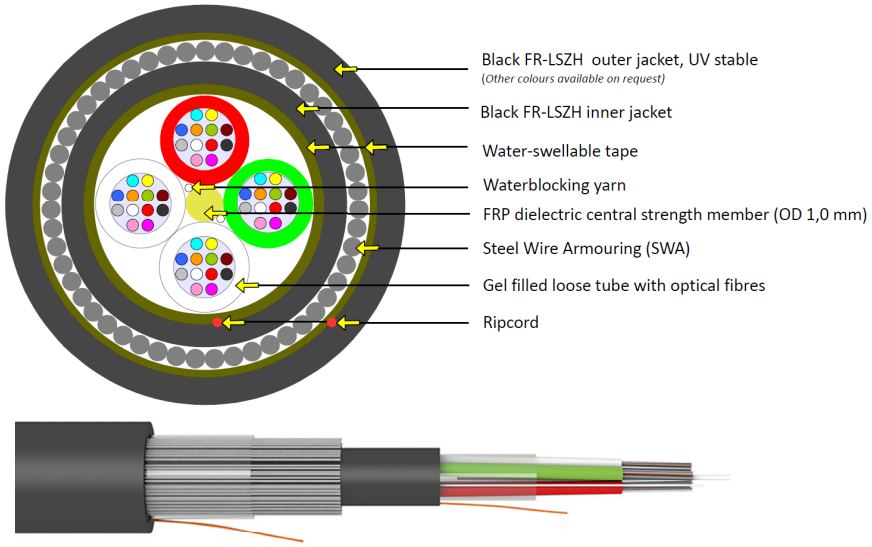
FIBER OPTIC CABLE – Armour SWA – 48 FO
Universal Use - FIBERPROOF®
serie **U-DQ(BN)HBH-48(4x12)SM9/125-G652D**

GENERAL FEATURES

- Universal Indoor/Outdoor use.
- MLT-Multi Loose Tube, hydro-blocking gel.
- Up to 48 fibers diam.250µm
- Waterblocking tape over the loose tube
- Rugged SteelWireArmour
- Dual sheath LSZH-Black UV-R
- REACH and ROHS compliance
- Highly Rodent Resistant



Images for reference only; not in scale or real colours

Mechanical and Environmental properties

Test		Value	Unit	Method / Note
Cable outer diameter		13,2 ± 0,4	mm	EN 60811-203
Cable weight (approx)		317	kg/km	
Outer jacket thickness (approx)		1,4	mm	
Loose tube diameter		2,3	mm	
Max. tensile strength		3000	N	EN 60794-1-E1
Crush resistance test		4500	N	EN 60794-1-E3
Impact resistance test		25	J	EN 60794-1-E4
Bending radius (Static/Dynamic)		15 / 25	O.D.	IEC 60794-1-E11
Moisture resistance test		Pass		EN 60794-1-22-F5
	Installation	-15 to + 50	°C	EN 60794-1-F1
Temperature range	Operation	-40 to + 70	°C	
	Storage&Trasp.	-40 to + 80	°C	
Sheath material		LSZH-FR		EN 50290-2-27
Flame Performace		Pass		EN 60332-3-22(cat. A)
Fire Performace		Eca		UE-305/11 CPR

Fibre colour coding - IEC60304 (or EIA/TIA 598B)			
First group		Second group	
1 Red	7 Brown	--	
2 Green	8 Purple		
3 Blue	9 Aqua		
4 Yellow	10 Black		
5 White	11 Orange		
6 Grey	12 Pink		

Tube colour coding – Coloured Option
1 Red – 2 Green - 3,4 White or Custom

Cable Code Legend	
X =	Nr. of Fibers – upto 48
YY=	Type of Fibers

FIBERPROOF is a Registered name from Gammafiber Srl

Fire Resistant	NO

FIBER TYPE (YY)
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	≤ 0.092ps/(nm2·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

Ed.11-2021