

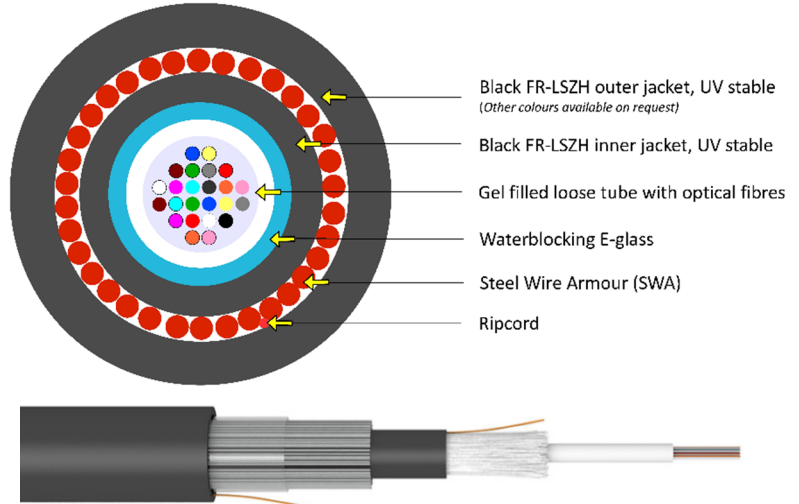
FIBER OPTIC CABLE - Armour SWA - max 24 FO

Universal Use - FIBERPROOF®

serie U-DQ(BN)HBH-xxSM9/125-G652D

GENERAL FEATURES

- Universal Indoor/Outdoor use.
- CLT-Central Loose Tube loose cable, hydro-blocking gel.
- Up to 24 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	Fibre colour coding - IEC60304 (or EIA/TIA 598B)			
Cable outer diameter	11,4 ± 0,4	mm	EN 60811-203	First group		Second group	
Cable weight (approx)	237	kg/km		1 Red	7 Brown	13 Red+Blk strip	19 Brown+Blk strip
Outer jacket thickness (approx)	1,4	mm		2 Green	8 Purple	14 Green+Blk strip	20 Purple+Blk strip
Loose tube diameter	3	mm		3 Blue	9 Aqua	14 Blue+Blk strip	21 Aqua+Blk strip
Max. tensile strength	4000	N	EN 60794-1-E1	4 Yellow	10 Black	16 Yellow+Blk strip	22 Natural+Blk strip
Crush resistance test	4000	N	EN 60794-1-E3	5 White	11 Orange	17 White+Blk strip	23 Orange+Blk strip
Impact resistance test	30	J	EN 60794-1-E4	6 Grey	12 Pink	18 Grey+Blk strip	24 Pink+Blk strip
Bending radius (Static/Dynamic) min.	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	EN 60794-1-F1	Cable Code Legend			
	Operation	-30 to + 70		X =	Nr. of Fibers – From 2 to 24		
	Storage&Trasp.	-30 to + 80		YY=	Type of Fibers		
Sheath material	LSZH-FR		EN 50290-2-27	FIBERPROOF is a Registered name from Gammafiber Srl			
Flame Performace	Pass		EN 60332-3-22(cat. A)	Fire Resistant		No	
Fire Performace	Eca		UE-305/11 CPR				

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/(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