

Glass-armoured riser cables – 4 fibers



Properties

- Metal free indoor and outdoor cable
- Rodent-protected, glass-armoured
- Ripcord for easy jacked removal
- For direct connector assembly
- Low smoke, halogen free and self-extinguishing
- Low fire load for high safety requirements
- Longitudinal and transversal watertight cable

Applications

- For FTTA installation
- Data cable in distribution networks

Design

Cable design	central strength member (non metallic) 4 tight tubes 1 ripcord
Strain relief and rodent protection	glass-armoured
Jacket material	LSFH™
Jacket colour	black

According to IEC 60794-1-2

Ordering information

04.../FSN[ZNG]H...55

Please see page 168.

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Specification				
Fiber types		E9	G50, G62	
Number of fiber		4	4	
Jacket Ø	mm	5.5	5.5	
Tube Ø	mm	0.9	0.9	coloured
Approx. weight	kg/km	33	33	

Mechanical properties					
Tensile strength	during installation	N	1000	1000	IEC 60794-1-2 E1
	in service	N	500	500	
Min. bend radius ¹⁾	during installation	mm	83	83	IEC 60794-1-2 E11
	in service	mm	60	60	
Crush resistance	short-term	N/dm	20 000	6000	IEC 60794-1-2 E3
	long-term	N/dm	3000	2000	
Impact resistance	Wp = 1.53 J	impacts	100	200	IEC 60794-1-2 E4
Repeated bending	r = 40 mm, weight = 1 kg	cycles	10 000	10 000	IEC 60794-1-2 E6
Flexing	r = 100 mm, weight = 1.5 kg	cycles	20 000	20 000	IEC 60794-1-2 E8
Torsion	± 360°, l = 1000 mm	cycles	1000	1000	IEC 60794-1-2 E7
Water penetration	h = 1 m, 24 h, p < 3 m		p	p	IEC 60794-1-2 F5B

Thermal properties					
Temperature range	during installation	°C	–25 to +75	–25 to +75	IEC 60794-1-22 F1
	in service	°C	–40 to +75	–40 to +75	
	in storage	°C	–40 to +75	–40 to +75	

Combustion properties				
Fire load		MJ/m	0.7	0.7
Fire propagation	on a vertical single cable		p	p
	on a vertical cable bundle		p	p
	on a vertical cable bundle		p	p
Halogen acid gas	jacket material		p	p
Degree of acidity	jacket material		p	p
2011/65/EC (RoHS)			compliant	

p = passed

¹⁾ Smaller bending radius are possible with E9/125 LowBend (ITU G.657) and G50/125-OM3/OM4 BendOptimized.