

Glass-armoured riser cables – 2 fibers



Design

Cable design	2 tight tubes
Strain relief and Rodent protection	glass-armoured
Jacket material	LSFH™
Jacket colour	black

Properties

- Metal free indoor and outdoor cable
- Rodent-protected, glass-armoured
- For vertical applications
- For direct connector assembly
- Low smoke, halogen free and self-extinguishing
- Low fire load for high safety requirements

Applications

- For FTTA installation
- For installation directly in the ground and in mechanically unprotected environments
- Data cable in distribution networks
- For installation outdoor, in wet cable ducts and pipes
- For installation in cable ducts
- For high safety requirements in case of fire

According to IEC 60794-1-2

Approvals

UL listed acc. OFNR

Ordering information

02-E9A../F(ZNG)H-...48

02-.../F(ZNG)H-...55

02-.../F(ZNG)H-...55_UR (optional)

02-.../F(ZNG)H-...70

02-.../F(ZNG)H-...70_UR (optional)

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Specification						
Jacket Ø		4.8	5.5	7.0	mm	
Tube Ø		0.9	0.9	0.9	mm	
Approx. weight		26	33	55	kg/km	

Mechanical properties						
Tensile strength	during installation	450	1000	1000	N	IEC 60794-1-2 E1
	in service	300	500	650	N	
Min. bend radius	during installation	20	83	105	mm	IEC 60794-1-2 E11
	in service	20	30	40	mm	
Crush resistance	short-term	2000	400	400	N/cm	IEC 60794-1-2 E3
	long-term	600	200	200	N/cm	
Impact resistance	Wp = 2.21 J		50		impacts	IEC 60794-1-2 E4
	Wp = 2.25 J			50	impacts	
Water penetration	h = 1 m, 24h, p < 3 m	p				IEC 60794-1-2 F5B

Thermal properties						
Temperature range	during installation	-40 to +70	-40 to +70	-25 to +50	°C	IEC 60794-1-2 F1
	in service	-40 to +90	-40 to +75	-40 to +75	°C	
	in storage	-60 to +70	-40 to +75	-40 to +75	°C	

Combustion properties						
Fire load		0.456	0.63	1.2	MJ/m	
Fire propagation	on a vertical single cable	p	p	p		IEC 60332-1-2
	on a vertical cable bundle	p				IEC 60332-3-24
	on a vertical cable bundle		p	p		IEC 60332-3-25
	on a vertical cable bundle		p	p		UL 1666
Halogen acid gas	jacket material	p	p	p		IEC 60754-1
Degree of acidity	jacket material	p	p	p		IEC 60754-2
2002/95/EC (RoHS)		compliant				

p = passed