Riser cables (distribution cables)

Properties

- Metal free indoor cable
- Strain relief with aramide yarn
- For direct connector assembly
- Ripcord for easy jacket removal
- For high mechanical and thermal stability
- Low smoke, halogen free and self-extinguishing

Applications

- Internal building distribution
- Rising zone/LAN
- Applications with high safety requirements
- For horizontal and collapsed backbone cabling

Design

Cable design	central strengh member, non-metallic 4 to 24 tight tube fibers strain relief (aramide yarn) 1 ripcord
Tube colour	according to colour code
Jacket material	LSFH™
Outer jacket colour	black

According to IEC 60794-1-2

Ordering information

04-.../FSN(ZN)H-...50
12-.../FSN(ZN)H-...70
24-.../FSN(ZN)H-...88

Please see page 152.

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Specification			4	12	24	fiber
Jacket Ø		mm	5.0	7.0	8.8	
Tube Ø		mm	0.9	0.9	0.9	coloured
Approx. weight		kg/km	28	52	77	
Mechanical properties						
Tensile strength	during installation	N	1200	3000	4500	IEC 60794-1-2 E1
	in service	N	400	1000	1500	
Min. bend radius [1]	during installation	mm	100	130	130	IEC 60794-1-2 E11
	in service	mm	50	70	100	
Crush resistance	short-term	N/dm	18 000	18 000	15 000	IEC 60794-1-2 E3
	long-term	N/dm	3000	3000	2000	
Impact resistance	Wp = 2.21 J	impacts	100	100	100	IEC 60794-1-2 E4
Repeated bending	r = 50 mm	cycles	1000	2000	2000	IEC 60794-1-2 E6
Thermal properties						
Temperature range	during installation	°C	−10 to +50			IEC 60794-1-22 F1
	in service	°C	−20 to +70			
	in storage	°C	−25 to +70			
Combustion properties						
Fire load		MJ/m	0.4	1.1	1.9	
Fire propagation	on a vertical single cable		p	p	p	IEC 60332-1-2
	on a vertical cable bundle		p	p	p	IEC 60332-3-24
Smoke density			p	p	p	IEC 61034-2
Halogen acid gas	jacket material		p	p	p	IEC 60754-1
Degree of acidity	jacket material		p	p	p	IEC 60754-2
2011/65/EC (RoHS)			compliant			
(EU) No 305/2011 (CPR)				Dca-s2, d0, a1		EN 50575

p = passed

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