Jellyfree glass-armoured multi-fiber loose tube cables – up to 24 fibers

Properties

- Metal free indoor and outdoor cable
- Jelly free, no need for cleaning the fibers
- Rodent-protected, glass-armoured
- Low smoke, halogen free and self-extinguishing
- Longitudinal and transversal watertight cable

Applications

- Data cable in distribution networks
- For vertical applications up to 500 m
- For installation in cable ducts
- For high safety requirements in case of fire

Design

Cable design	dry multi-fiber loose tube with up to 24 fibers
Strain relief and rodent protection	glass – roving
Fiber colour	according to colour code
Jacket material	LSFH™
Jacket colour	colour coded

According to IEC 60794-1-2

Ordering information

24-.../Q(ZNG)H-...70 *
24-.../Q(ZNG)H-...85
24-.../Q(ZNG)H-...120

Please see page 155, 156.

Approvals

* UL listed acc. OFNR/OFNG/OFN (only with CPR class Dca-s1a, d2, a1)

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Specification						
Jacket Ø		mm	7.0	8.5	12.0	
Number of fibers			2 to 24	2 to 24	2 to 24	
Approx. weight		kg/km	55	83	178	
Mechanical properties						
Tensile strength	during installation	N	2000	3000	9000	IEC 60794-1-2 E1
	in service	N	1200	1500	4500	
Min. bend radius	during installation	mm	110	130	180	IEC 60794-1-2 E11
	in service	mm	70	80	120	
Crush resistance	short-term	N/dm	5000	8000	11000	IEC 60794-1-2 E3
	long-term	N/dm	2000	300	6000	
Impact resistance	Wp = 1 J Wp = 4.4 J Wp = 4.5 J	impacts	100	 30	 500	IEC 60794-1-2 E4
Thermal properties						
Temperature range	during installation	°C	–10 to +50			IEC 60794-1-22 F1
	in service	°C	–40 to +70			
	in storage	°C	–40 to +70			
Combustion properties						
Fire load		MJ/m	1.0	1.5	3.1	
Fire propagation	on a vertical single cable		p	p	p	IEC 60332-1-2
Fire propagation	on vertical cable bundle		p	p	p	IEC 60332-3-25
Smoke density			p	p	p	IEC 61034-2
Water penetration	h = 1 m, 24 h, p < 3 m		p	p	p	IEC 60794-1-2 F5B
2011/65/EC (RoHS)			compliant			
(EU) No 305/2011 (CPR)			** ****	***	*	EN 50575

p = passed

* B2ca-s1a,d0,a1
** Cca-s1a,d0,a1
*** Dca-s1a,d0,a1
**** Dca-s1a,d2,a1