

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



Properties

- Metal free indoor and outdoor cable
- Strain relief with aramide yarn
- Ripcord for easy jacket removal
- Low smoke, halogen free and self-extinguishing
- For use in ducts and in unprotected environment

Applications

- Data cable in distribution networks
- Installation in indoor and outdoor areas
- For installation in cable ducts

Design

Cable design	multi-fiber loose tube with 2 up to 24 fibers, jelly-filled 1 ripcord
Strain relief	aramide yarn
Fiber colour	according to colour code
Jacket material	LSFH™
Jacket colour	black

According to IEC 60794-1-2

Ordering information

12.../BW(ZN)H...35
24.../W(ZN)H...50

Please see page 157, 158.

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Specification					
Jacket Ø		mm	3.5	5.0	
Number of fibers			2 to 12	2 to 24	
Multi fiber loose tube			mini	standard	
Approx. weight		kg/km	10	27	

Mechanical properties					
Tensile strength	during installation	N	900	1000	IEC 60794-1-2 E1
	in service	N	250	400	
Min. bend radius	during installation	mm	52.5	80	IEC 60794-1-2 E11
	in service	mm	35	50	
Crush resistance	short-term	N/dm	3000	3000	IEC 60794-1-2 E3
	long-term	N/dm	1000	1500	
Impact resistance	W _p = 1.4 J W _p = 2.21 J	impacts	50	50	IEC 60794-1-2 E4
Repeated bending	r = 35 mm/1 kg r = 50 mm/1 kg	cycles	5000	5000	IEC 60794-1-2 E6

Thermal properties					
Temperature range	during installation	°C	-10 to +50	-10 to +50	IEC 60794-1-22 F1
	in service	°C	-40 to +70	-40 to +70	
	in storage	°C	-40 to +70	-40 to +70	

Combustion properties					
Fire load		MJ/m	0.43	0.71	
Smoke density				p	IEC 61034-2
Halogen acid gas	jacket material		p	p	IEC 60754-1
Degree of acidity	jacket material		p	p	IEC 60754-2
2011/65/EC (RoHS)			compliant		

p = passed