

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



Central tube Ø 3.5 mm or Ø 5.0 mm



Duplex tube Ø 5 × 10.2 mm

Design

Cable design	dry multi-fiber loose tube with 2 up to 24 fibers	
Strain relief	Aramide yarn	
Fiber colour	according to colour code	
Jacket material	LSFH™	
Jacket colour	E9	yellow
	OM2	orange
	OM3	turquoise
	OM4	heather violet
	G62.5	orange

Properties

- Metal free indoor cable
- Strain relief with Aramide yarn
- For vertical application
- Easy stripping
- No need for cleaning the fibers
- Low smoke, halogen free and self-extinguishing
- Low fire load for high safety requirements
- For MASTERLINE applications (valid for simplex only)
- Jelly free

Applications

- Installation in indoor areas
- 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

According to IEC 60794-1-2

Ordering information

12-.../BH(ZN)H-...35
12-.../H(ZN)H-...50
24-.../H(ZN)H-...50F
Please see page 144

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Specification

Jacket material	LSFH™	LSFH™	LSFH™		
Jacket Ø	3.5	5.0	5 × 10.2	mm	
Number of fibers each bundle	2 - 12	2 - 12	12 - 24		
Multifiber loose tube	mini	standard	standard	mm	
Approx. weight	11.4	25.0	50.0	kg/km	

Mechanical properties

Tensile strength	during installation	900	600	2 × 600	N	IEC 60794-1-2 E1
	in service	250	400	2 × 400	N	
Min. bend radius	during installation	50	80	80*	mm	IEC 60794-1-2 E11
	in service	35	50	50*	mm	
Crush resistance	short-term	300	300	300*	N/cm	IEC 60794-1-2 E3
	long-term	150	150	150*	N/cm	
Impact resistance	W _p = 2.21 J		50	50*	impacts	IEC 60794-1-2 E4
Repeated bending	r = 30 mm / 1 kg	5000				
	r = 50 mm / 1 kg		5000	5000	cycles	IEC 60794-1-2 E6

* = refers to the flat side of the cable

Thermal properties

Temperature range	during installation	-25 to +70	-5 to +50	-5 to +50	°C	IEC 60794-1-2 F1
	in service	-25 to +70	-5 to +70	-5 to +70	°C	
	in storage	-25 to +70	-20 to +70	-20 to +70	°C	

Specification for singlemode at 1310 nm, for multimode at 1300 nm

Combustion properties

Fire load		0.24	0.59	1.18	MJ/m	
Fire propagation	on a vertical single cable			p		IEC 60332-1
Smoke density				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
2002/95/EC (RoHS)		compliant				

p = passed