

# FTTH indoor cables HOMESTAR



## Properties

- Metal free indoor and outdoor cable
- Strain relieved with aramide yarn
- For direct connector assembly
- Tight bending radii
- Low smoke, halogenfree and self-extinguishing

## Applications

- Data cable in distribution network - FTTH
- Installation in indoor areas
- For horizontal and collapsed backbone cabling

## Design

Cable design	central strength member, non-metallic 1, 2 to 4 tight buffered tubes
Strain relief	aramide yarn
Jacket material	LSFH™
Jacket colour	grey

According to IEC 60794-1-2

## Ordering information

01-E9A.../F(ZN)H...48

02-E9A.../FSN(ZN)H...48

04-E9A.../FSN(ZN)H...48

Please see page 153.

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Specification						
Number of fibers		1	2	4		
Jacket Ø	mm	4.8	4.8	4.8		
Tube Ø	mm	0.9	0.9	0.9	coloured	
Approx. weight	kg/km	25	25	25		

Mechanical properties						
Tensile strength	during installation	N	400	500	500	IEC 60794-1-2 E1
	in service	N	200	300	300	
Min. bend radius	during installation	mm	10	10	10	IEC 60794-1-2 E11
	in service	mm	10	10	10	
Crush resistance	short-term	N/dm	20 000	15 000	10 000	IEC 60794-1-2 E3
	long-term	N/dm	1500	1500	1500	
Impact resistance	Wp = 2.21 J	impacts	100	100	100	IEC 60794-1-2 E4
Repeated bending	r = 30 mm	cycles	5000	5000	5000	IEC 60794-1-2 E6
Kink resistance	r = 7.5 mm		p	p	p	IEC 60794-1-2 E10
Torsion	angle = ± 360° / length = 500 mm	cycles	1000	1000	1000	IEC 60794-1-2 E7
H+S Crush resistance	short-term	N/5 mm	400	500	500	HUBER+SUHNER
	long-term	N/5 mm	200	300	300	

Thermal properties						
Temperature range	during installation	°C	-10 to +50			IEC 60794-1-22 F1
	in service	°C	-25 to +70			
	in storage	°C	-25 to +70			

Combustion properties						
Fire load		MJ/m	0.6	0.6	0.6	
Fire propagation	on a vertical single cable		p	p	p	IEC 60332-1-2
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			

p = passed