

Steel-armoured multi-fiber loose tube cables – up to 72 fibers



Properties

- Steel-armoured indoor and outdoor cable
- Rodent-protected (steel-armoured)
- For use in ducts and unprotected environment
- For high mechanical requirements
- Low smoke, halogen free and self-extinguishing

Applications

- For outdoor and indoor installations and in mechanically unprotected environments
- Data cable in distribution networks
- For installations directly in the ground

Design

Cable design	4 to 6 multi-fiber loose tube, jelly-filled with 2 to 12 fibers strength member 2 ripcords
Strain relief	glass-roving
Rodent protection	steel-armoured
Jacket material	LSFH™
Jacket colour	black

According to IEC 60794-1-2

Ordering information

24.../BWSN(ZNG)HAH...130
48.../BWSN(ZNG)HAH...130
72.../BWSW(ZNG)HAH...140

Please see page 161.

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Specification		4	6	
Jacket Ø	mm	13.0	14.0	
Number of fibers		24/48	72	
Multi-fiber loose tube		mini	mini	
Approx. weight	kg/km	220	246	

Mechanical properties					
Tensile strength	during installation	N	9000	9000	IEC 60794-1-2 E1
	in service	N	4000	4000	
Min. bend radius	during installation	mm	200	210	IEC 60794-1-2 E11
	in service	mm	130	140	
Crush resistance	short-term	N/dm	6000	6000	IEC 60794-1-2 E3
	long-term	N/dm	3000	3000	
Impact resistance	Wp = 2.21 J	impacts	50	50	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	3.6	4.1	
Fire propagation	on a vertical single cable		p	p	IEC 60332-1-2
Fire propagation	on a vertical cable bundle cable		p	p	IEC 60332-3-25
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