

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



Design

Cable design	5 - 6 multi-fiber loose tube, jelly-filled with 2 - 12 fibers strength member 2 ripcords
Strain relief and Rodent protection	glass-rovng steel-armoured
Jacket material	LSFH™
Jacket colour	black

Properties

- Steel-armoured indoor and outdoor cable
- Rodent-protected (steel-armoured)
- For use in ducts and unprotected environment
- For high mechanical requirements
- Halogen free and non-corrosive fire gases
- Longitudinal and transversal watertight cable

Applications

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

According to IEC 60794-1-2

Ordering information

60-.../BWSN(ZNG)HAH-...140

72-.../BWSW(ZNG)HAH-...152

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Specification	5	6		stranding
Jacket material	LSFH™	LSFH™	mm	
Jacket Ø	14	15.2	mm	
Fiber quantity up to	60	72		
Multi-fiber loose tube Ø	mini	mini		
Approx. weight	235	275	kg/km	

Mechanical properties					
Tensile strength	during installation	6000	9000	N	IEC 60794-1-2 E1
	in service	3000	4500	N	
Min. bend radius	during installation	210	230	mm	IEC 60794-1-2 E11
	in service	125	165	mm	
Crush resistance	short-term	800	800	N/cm	IEC 60794-1-2 E3
	long-term	300	300	N/cm	
Impact resistance	Wp = 2.21 J	50	50	impacts	IEC 60794-1-2 E4

Thermal properties					
Temperature range	during installation	-10 to +50		°C	IEC 60794-1-2 F1
	in service	-40 to +70		°C	
	in storage	-40 to +70		°C	

Specification for singlemode at 1550 nm, for multimode at 1300 nm

Combustion properties					
Fire load		3.95	4.5	MJ/m	
Fire propagation	on a vertical single cable	p	p		IEC 60332-1
Fire propagation	on a vertical cable bundle	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
2002/95/EC (RoHS)		compliant			

p = passed