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

Properties

- Steel-armoured outdoor cable
- Rodent-protected (steel-armoured)
- For use in ducts and unprotected environment
- Halogen free and non-corrosive fire gases

Applications

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

Design

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

According to IEC 60794-1-2

Ordering information

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

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Specification			4	6	
Jacket Ø		mm	13.0	14.0	
Fiber quantity up to			24/48	72	
Multi-fiber loose tube			mini	mini	
Approx. weight		kg/km	173	185	
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	4.0	4.4	
2011/65/EC (RoHS)			compliant		

p = passed