

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



### Design

Cable design	5 - 6 multi-fiber loose tubes, jelly-filled with 2 – 12 fibers strength member 2 ripcords
Strain relief	glass-roving
Rodent protection	steel-armoured
Jacket material	HDPE
Jacket colour	black

### Properties

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

### Applications

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

According to IEC 60794-1-2

### Ordering information

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

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

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

Specification	5	6		stranding
Jacket material	HDPE	HDPE		
Jacket Ø	14.0	15.2	mm	
Fiber quantity up to	60	72		
Multi-fiber loose tube Ø	mini	mini		
Approx. weight	185	220	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
Water penetration	h = 1 m, 24 h, p > 3 m	p	p		IEC 60794-1-2 F5B

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	4.4	5	MJ/m	
2002/95/EC (RoHS)	compliant			

p = passed