

Glass-armoured multi-fiber loose tube cables – up to 144 fibers



Properties

- Metal free outdoor cable
- Rodent protection, glass-armoured
- For use in ducts and unprotected environment
- Ripcord for easy jacket removal
- High chemical resistance against acids and alkalis
- Halogen free and non-corrosive fire gases
- Longitudinal and transversal watertight cable

Applications

- For installation directly in the ground and in mechanically unprotected environments
- Data cable in distribution networks
- For installation outdoor, in wet cable ducts and pipes

Design

Cable design	4 to 12 multi-fiber loose tube, jelly-filled with 2 to 12 fibers strength member 2 ripcords
Strain relief and rodent protection	glass-rovng
Jacket material	PE
Jacket colour	black with 2 orange stripes

According to IEC 60794-1-2

Ordering information

24.../BWSN(ZNG)V...96	
48.../BWSN(ZNG)V...96	
72.../BWSN(ZNG)V...106	
96.../BWSN(ZNG)V...122	
144.../BWSN(ZNG)V...145	

Please see page 164.

Glass-armoured multi-fiber loose tube cables – up to 144 fibers

Specification		4	6	8	12	
Fiber up to		24/48	72	96	144	
Jacket Ø	mm	9.6	10.6	12.2	14.5	
Multi fiber loose tube		mini	mini	mini	mini	
Approx. weight	kg/km	84	97	121	176	

Mechanical properties							
Tensile strength	during installation	N	9000	9000	9000	9000	IEC 60794-1-2 E1
	in service	N	4000	4000	4000	4000	
Min. bend radius	during installation	mm	140	160	180	220	IEC 60794-1-2 E11
	in service	mm	100	110	120	150	
Crush resistance	short-term	N/dm	6000	6000	6000	6000	IEC 60794-1-2 E3
	long-term	N/dm	3000	3000	3000	3000	
Impact resistance	W _p = 2.21 J	impacts	50	50	50	50	IEC 60794-1-2 E4
Water penetration	h = 1 m, 24 h, p < 3 m		p	p	p	p	IEC 60794-1-2 F5B

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	2.1	2.5	3.3	4.7	
2011/65/EC (RoHS)		compliant				

p = passed