

# Glass-armoured multi-fiber loose tube cables

## TWINTUBE - up to 24 fibers



### Properties

- Metal free outdoor cable
- Rodent-protected, 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 installations 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	2 multi-fiber loose tubes, jelly-filled with up to 2 × 12 fibers 2 ripcords
Strain relief and rodent protection	glass-rovings
Jacket material	PE
Jacket colour	black

According to IEC 60794-1-2

### Ordering information

up to 24.../W(ZNG)Y...94	
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Specification			
Jacket Ø	mm	8.8 × 9.4	
Number of fibers		2 x 12	2 up to 12 fibers
Approx. weight	kg/km	69	

Mechanical properties				
Tensile strength	during installation	N	3000	IEC 60794-1-2 E1
	in service	N	1500	
Min. bend radius	during installation	mm	150 <sup>1)</sup>	IEC 60794-1-2 E11
	in service	mm	100 <sup>1)</sup>	
Crush resistance	short-term	N/dm	8000 <sup>1)</sup>	IEC 60794-1-2 E3
	long-term	N/dm	4000 <sup>1)</sup>	
Repeated bending	r = 150 mm, weight = 5 kg	cycles	5000 <sup>1)</sup>	IEC 60794-1-2 E6
Water penetration	h = 1 m, 24 h, p < 3 m		p	IEC 60794-1-2 F5B

Thermal properties				
Temperature range	during installation	°C	-10 to +50	IEC 60794-1-22 F1
	in service	°C	-20 to +70	
	in storage	°C	-40 to +70	

Combustion properties			
Fire load	MJ/m	1.8	
2011/65/EC (RoHS)		compliant	

p = passed

<sup>1)</sup> refers to the flat side of the cable