

Glass-armoured multi-fiber loose tube cables – TWINTUBE – up to 24 fibers



Design

Cable design	2 multi-fiber loose tubes, jelly-filled with 2 – 12 fibers 2 ripcords
Strain relief and rodent protection	glass-armoured
Jacket material	PE
Jacket colour	black

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
- Longitudinal and transversal watertight cable
- For MASTERLINE applications

Applications

- For installations directly in the ground and in mechanically unprotected environments
- As data cable in distribution networks
- For installation outdoors, in wet cable ducts and pipes

According to IEC 60794-1-2

Ordering information

up to 24-.../W(ZNG)Y-...94
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Specification

Jacket material	LDPE		
Jacket Ø	9.4 × 8.8	mm	
Multi-fiber loose tube	standard		2 up to 12 fibers
Approx. weight	69	kg/km	

Mechanical properties

Tensile strength	during installation	3000	N	IEC 60794-1-2 E1
	in service	1500	N	
Min. bend radius	during installation	150*	mm	IEC 60794-1-2 E11
	in service	100*	mm	
Crush resistance	short-term	800*	N/cm	IEC 60794-1-2 E3
	long-term	400*	N/cm	
Repeated bending	r = 150 mm, weight = 5 kg	5000*	cycles	IEC 60794-1-2 E6
Water penetration	h = 1 m, 24 h, p < 3 m	p		IEC 60794-1-2 F5B

* refers to the flat side of the cable

Thermal properties

Temperature range	during installation	-10 to +50	°C	IEC 60794-1-2 F1
	in service	-20 to +70	°C	
	in storage	-40 to +70	°C	

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

Combustion properties

Fire load	1.8	MJ/m	
2002/95/EC (RoHS)	compliant		

p = passed