

Glass-armoured multi-fiber loose tube cables

TWINTUBE - up to 24 fibers



Properties

- Metal free indoor and outdoor cable
- Rodent-protected, glass-armoured
- Ripcord for easy jacket removal
- Low smoke, halogen free and self-extinguishing
- Longitudinal and transversal watertight cable

Applications

- For installations directly in the ground and in mechanically unprotected environments
- As data cable in distribution networks
- For installation outdoor, in wet cable ducts and pipes
- Ideal for applications involving high safety requirements in case of a fire

Design

Cable design	2 multi-fiber loose tubes, jelly-filled with 2 x 12 fibers 2 ripcords
Strain relief and rodent protection	glass-roving
Jacket material	LSFH™
Jacket colour	black

According to IEC 60794-1-2

Ordering information

24-.../W(ZNG)H...94

Please see page 160.

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Specification			
Jacket Ø	mm	8.8 × 9.4	
Number of fibers		2 × 12	
Approx. weight	kg/km	101	

Mechanical properties				
Tensile strength	during installation	N	3000	IEC 60794-1-2 E1
	in service	N	1500	
Min. bend radius	during installation	mm	150 ¹⁾	IEC 60794-1-2 E11
	in service	mm	100 ¹⁾	
Crush resistance	short-term	N/dm	8000 ¹⁾	IEC 60794-1-2 E3
	long-term	N/dm	4000 ¹⁾	
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	1.85	
Fire propagation	on a vertical single cable		p	IEC 60332-1-2
Fire test	with circuit integrity (CI)	min.	180	IEC 60331-25
Halogen acid gas	jacket material		p	IEC 60754-1
Degree of acidity	jacket material		p	IEC 60754-2
2011/65/EC (RoHS)			compliant	
(EU) No 305/2011 (CPR)			Dca-s2, d2, a1	EN 50575

p = passed

¹⁾ refers to the flat side of the cable