

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



Properties

- Metal free outdoor cable
- Rodent protection, glass-armoured
- For use in ducts and in unprotected environment
- High chemical resistance against acids and alkalies
- For high mechanical and thermal stability
- 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	multi-fiber loose tube with 2 up to 24 fibers, jelly-filled
Strain relief and rodent protection	glass-roving
Jacket material	PE
Jacket colour	black

According to IEC 60794-1-2

Ordering information

up to 24-.../W(ZNG)Y-...70	
up to 24-.../W(ZNG)Y-...85	
up to 24-.../W(ZNG)Y-...120	

Please see page 162, 163.

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

Specification						
Jacket Ø	mm	7.0	8.5	12.0		
Number of fibers each bundle		2 to 24	2 to 24	2 to 24		
Multi fiber loose tube		standard	standard	standard		
Approx. weight	kg/km	42	62	135		

Mechanical properties						
Tensile strength	during installation	N	2000	3000	12 000	IEC 60794-1-2 E1
	in service	N	1200	1500	6000	
Min. bend radius	during installation	mm	110	130	180	IEC 60794-1-2 E11
	in service	mm	70	80	120	
Crush resistance	short-term	N/dm	5000	10 000	12 000	IEC 60794-1-2 E3
	long-term	N/dm	2000	3000	6000	
Impact resistance	W _p = 4.41 J W _p = 4.5 J	impacts	10	30	100	IEC 60794-1-2 E4
Repeated bending	r = 80 mm r = 120 mm	cycles	3000	5000	5000	IEC 60794-1-2 E6
Torsion	± 1440° ± 360°	cycles	3	3	3	IEC 60794-1-2 E7
Water penetration	h = 1 m, 24 h, p < 3 m		p	p	p	IEC 60794-1-2 F5B

Thermal properties						
Temperature range	during installation	°C	–10 to +50	–10 to +50	–10 to +50	IEC 60794-1-22 F1
	in service	°C	–40 to +70	–40 to +70	–40 to +70	
	in storage	°C	–40 to +70	–40 to +70	–25 to +70	

Combustion properties						
Fire load	MJ/m	1.3	1.6	3.4		
2011/65/EC (RoHS)		compliant				

p = passed