

Steel-armoured multi-fiber loose tube cables – Simplex and TWINTUBE



Simplex – up to 24 fibers



TWINTUBE – up to 24 fibers

Properties

- Steel-armoured outdoor cable
- Rodent-protected (steel-armoured)
- High chemical resistance against acids and alkalis
- Halogen free and non-corrosive fire gases

Applications

- For outdoor installations and in mechanically unprotected environments
- Data cable in distribution networks
- For installations directly in the ground

Design

Cable design	1 to 2 multi-fiber loose tubes, jelly-filled with 2 to 24 fibers
Strain relief	aramid yarn/glass-rovings
Rodent protection	steel-armoured
Jacket material	PE
Jacket colour	black

According to IEC 60794-1-2

Ordering information

up to 24.../W(ZN)YAY...80	
up to 24.../W(ZNG)YAY...125	

Please see page 165.

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Specification			Simplex	TWINTUBE	
Jacket Ø		mm	8.0	12.5	
Numbers of fibers			24	2 × 12	
Multi-fiber loose tube			standard	standard	
Approx. weight		kg/km	70	152	

Mechanical properties					
Tensile strength	during installation	N	3000	3000	IEC 60794-1-2 E1
	in service	N	1500	1500	
Min. bend radius	during installation	mm	120	190*	IEC 60794-1-2 E11
	in service	mm	80	125*	
Crush resistance	short-term	N/dm	4000	8000*	IEC 60794-1-2 E3
	long-term	N/dm	2000	4000*	
Impact resistance	W _p = 4.41 J	impacts	50		IEC 60794-1-2 E4
	W _p = 15 J	impacts		3	

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

Combustion properties					
Fire load		MJ/m	1.78	3.51	
2011/65/EC (RoHS)			compliant		

p = passed

* refers to the flat side of the cable