

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



Design

Cable design	multi-fiber loose tube, jelly-filled
Strain relief	Aramide yarn
Jacket material	PE
Jacket colour	black

Properties

- Metal free outdoor cable
- Strain relief with Aramide yarn
- For use in ducts and unprotected environment
- High chemical resistance against acids and alkalis
- Halogen free and non-corrosive fire gases
- For MASTERLINE applications

Applications

- Data cable in distribution networks
- For outdoor installations in humid and wet cable ducts
- Ideal as distributor-to-distributor patch cable

According to IEC 60794-1-2

Ordering information

12-.../BW(ZN)V-...35
12-.../W(ZN)Y-...50
24-.../W(ZN)Y-...50
Please see page 151

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Specification						
Jacket material		HDPE	LDPE	LDPE		
Jacket Ø		3.5	5.0	5.0	mm	
Number of fibers each bundle		2 - 12	2 - 12	24		
Multi fiber loose tube		mini	standard	standard		
Approx. weight		8	20	27	kg/km	

Mechanical properties						
Tensile strength	during installation	900	600	600	N	IEC 60794-1-2 E1
	in service	250	400	400	N	
Min. bend radius	during installation	50	80	80	mm	IEC 60794-1-2 E11
	in service	35	50	50	mm	
Crush resistance	short-term	300	300	300	N/cm	IEC 60794-1-2 E3
	long-term	100	150	150	N/cm	
Impact resistance	W _p = 1.4 J	50			impacts	IEC 60794-1-2 E4
	W _p = 2.21 J		50	50		
Repeated bending	r = 35 mm/1 kg	5000			cycles	IEC 60794-1-2 E6
	r = 50 mm/1 kg		5000	5000		
Water penetration	h = 1 m, 24 h, p < 3 m	p				IEC 60794-1-2 F5B

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

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

Combustion properties						
Fire load		0.5	0.7	0.7	MJ/m	
2002/95/EC (RoHS)		compliant				

p = passed