

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



- Properties**
- Metal free outdoor cable
  - Strain relieved with aramide yarn
  - For use in ducts and unprotected environment
  - High chemical resistance against acids and alkalies
  - Halogen free and non-corrosive fire gases

- Applications**
- Data cable in distribution networks
  - For outdoor installations in humid and wet cable ducts

## Design

Cable design	multi-fiber loose tube with 2 up to 24 fibers, jelly-filled
Strain relief	aramide yarn
Jacket material	PE
Jacket colour	black or colour coded

According to IEC 60794-1-2

## Ordering information

up to 12-.../BW(ZN)V-...35	
up to 24-.../W(ZN)Y-...50	

Please see page 162.

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Specification				
Jacket Ø	mm	3.5	5.0	
Number of fibers		2 to 12	2 to 24	
Multi fiber loose tube		mini	standard	
Approx. weight	kg/km	9.6	20	

Mechanical properties					
Tensile strength	during installation	N	900	1000	IEC 60794-1-2 E1
	in service	N	250	400	
Min. bend radius	during installation	mm	50	80	IEC 60794-1-2 E11
	in service	mm	35	50	
Crush resistance	short-term	N/dm	3000	3000	IEC 60794-1-2 E3
	long-term	N/dm	1000	1500	
Impact resistance	W <sub>p</sub> = 1.4 J W <sub>p</sub> = 2.21 J	impacts	50	50	IEC 60794-1-2 E4
Repeated bending	r = 35 mm/1 kg r = 50 mm/1 kg	cycles	5000	5000	IEC 60794-1-2 E6

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

Combustion properties				
Fire load	MJ/m	0.32	0.75	
2011/65/EC (RoHS)		compliant		

p = passed