

FIBER OPTIC CABLE Steel-Armoured Multi-Fiber Loose Tube Cable

Description

48-.../BWSN(ZNG)VAV-...130

- Steel-armoured outdoor cable
- Rodent-protected, steel-armoured
- For use in ducts and in unprotected environment
- Halogen free and non-corrosive fire gases



Available Types

Type of Fiber

E9/125

G50/125-OM2

G62.5/125-OM1

NZDSF

according to IEC 60793-2-50 Typ B1.3 + ITU G.652.D

according to IEC 60793-2-10 Typ A1a + ITU G.651

according to IEC 60793-2-10 A1b

according to IEC 60793-2-50 Typ B4 + ITU G.655

Standard Colours

Fiber:

Tube:

Jacket (outer):

According to colour code

1st red, 2nd green, further white, dummies black

Black (optional with two orange stripes)

Technical Data

Construction

Description / Material	Size	Options / Notice
1 Strength member and 1 swellable roving	1 mm	
48 Optical fiber	250 µm	Fiber type, colour
4 Multi-fiber loose tube up to 12 fibers	2.2 mm	Colour, jelly-filled
Reinforcement / glass-roving		Swellable
Jacket	9.6 mm	Black
2 Ripcords		
Outer jacket / HDPE	13 mm	Colour, inscription

Mechanical data

Characteristics	Conditions	Tested acc. to	Values
Weight			171 kg/km
Tensile strength	During installation In service	IEC 60794-1-2 E1	9000 N 4000 N
Minimal bending radius	During installation In service	IEC 60794-1-2 E11	200 mm 130 mm
Crush resistance	During installation In service	IEC 60794-1-2 E3	6000 N/dm 3000 N/dm
Impact resistance	W _p = 2.21 J	IEC 60794-1-2 E4	50 impacts

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Environmental Data

Characteristics	Conditions	Tested acc. to	Values
Temperature range	During installation In service In storage	IEC 60794-1-22 F1	-10 °C up to +50°C -40 °C up to +70°C -40 °C up to +70°C
Fire load			3.9 MJ/m
Fire Test: halogen acid gas Fire Test: degree of acidity	Jacket material Jacket material	IEC 60754-1 IEC 60754-2	halogen free passed
2011/65/EU (RoHS - including 2015/863 and 2017/2102)			compliant

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