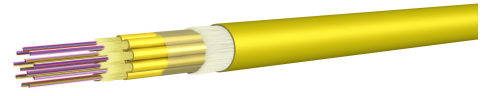


FIBER OPTIC CABLE OptiPack Breakout Cable LSFH

Description

144-12...(ZN)SN(ZNG)H-...20

- Metal free indoor and outdoor cable
- Strain relieved with glass rowing
- For direct connector assembly with strain relief
- Tube can be stripped up to 1m in one piece
- UV-protected, suitable for outdoor use
- Low smoke, halogen free and self-extinguishing



Available Types

Fiber count: 144 Fibers

Type of Fiber

E9/125A2

G50/125-OM3

G50/125-OM4

according to IEC 60793-2-50 Typ B6_a2 + ITU G.657.A2

according to IEC 60793-2-10 A1a2 + ITU G.651 BendOptimized

according to IEC 60793-2-10 A1a3 + ITU G.651 BendOptimized

Standard Colours

Fiber:

Jacket (inner):

Jacket (outer):

According to colour code

Numbered, E9: YE, G50 and G62: OG, OM3: TQ, OM4:HV

Black

Technical Data

Construction

Description / Material	Size	Options / Notice
1 Strength member	1 mm	
144 Optical fiber	250 µm	Fiber type, colour
Reinforcement / armouring		
12 Fiber bundle cables	2 mm	Colour, inscription
21 Reinforcement / glass-rovng		
Outer jacket / PE flame retardant (LSFH)	12.4 mm	Colour, inscription

Mechanical Data

Characteristics	Conditions	Tested acc. to	Values
Weight			181 kg/km
Tensile strength	During installation In service	IEC 60794-1-21 E1	9000 N 12 x 100 N
Minimal bending radius	During installation In service	IEC 60794-1-21 E11	180 mm 150 mm
Crush resistance	During installation In service	IEC 60794-1-21 E3	3000 N/dm 1500 N/dm
Impact resistance	Wp = 2.21 J	IEC 60794-1-21 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 F12	-10 °C up to +50°C -40 °C up to +70°C -40 °C up to +70°C
Fire load			1.8 MJ/m
Fire propagation	On a vertical single cable	IEC 60332-1-2	passed
Fire Test: smoke density	Jacket material	IEC 61034-2	passed
Fire Test: halogen acid gas	Jacket material	IEC 60754-1	halogen free
Fire Test: degree of acidity	Jacket material	IEC 60754-2	passed
2011/65/EU (RoHS - including 2015/863 and 2017/2102)			compliant
Water penetration	h=1m, 24h, p<3m	IEC 60794-1-22 F5C	passed
(EU) No 305/2011 (CPR)		EN50575	Cca-s1a,d0,a1

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

Comment

Water penetration standard IEC 60794-1-22 F5C does not apply to the individual fiber bundle cables.