

PRODUCT OVERVIEW



Description

144-.../(ZN)SN(ZNG)H-...20#C

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

Technical Data

Construction

Fibre	Quantity: up to	144
Strength Member	Quantity	1 pcs
	Type	Central
Strain Relief	Type	Aramide Yarn
Inner Jacket	Quantity	12 pcs
	Type	Fibre Bundle
	Diameter	2mm
Strain Relief	Quantity	Glass-roving
Tape	Quantity	0 pcs
Outer Jacket	Material	LSFH
	Diameter	12.4mm

Environmental Data

CPR Class	Standard	EN 50575:2014+A1:2016
	Class	Cca-s1a,d0,a1
Temperature	Standard	IEC 60794-1-22 F12
	During Installation	-10°C- 50°C
	In Service	-40°C- 70°C
	In Storage	-40°C- 70°C
Flame Propagation	Standard Condition	IEC 60332-1-2 On a vertical single cable
Flame Characteristics	Standard Condition Characteristics	IEC 61034-2 Jacket Material Degree of Acidity

Environmental Data (continued)

Flame Characteristics	Standard Condition Characteristics	IEC 60754-1 Jacket Material Halogen Acid Gas
	Standard Condition Characteristics	IEC 60754-2 Jacket Material
Water Penetration	Standard Condition	IEC 60794-1-22 F5C h_1m, 24h, p<3m

Mechanical Data

Weight		Approx. 181 g/m
Tensile Strength	Standard	IEC 60794-1-21 E1
	During Installation	9000N
	In Service	1200N
Min. Bending Radius	Standard	IEC 60794-1-21 E11
	During Installation	180mm
	In Service	180mm
Crush Resistance	Standard	IEC 60794-1-21 E3
	During Installation	3000 N/dm
	In Service	1500 N/dm
Impact Resistance	Standard Energy Cycles	IEC 60794-1-21 E4 2.21 J 50

Colours & Fibre Type

Colours	Fibre	According to Colour Code
	Inner Jacket	Numbered, E9: YE, G50 and G62: OG, OM3: TQ, OM4:HV
	Standard Outer Jacket	Black
Fibre Type	G50/125-OM3	According to IEC 60793-2-10 A1-OM3b
	G50/125-OM4	According to IEC 60793-2-10 A1-OM4b

	1	2	3	4	5	6	7	8	9	10	11	12
H+S Standard	Red	Green	Yellow	Blue	White	Violet	Orange	Black	Grey	Brown	Heather Violet	Turquoise
DIN	Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Turquoise	Black	Orange	Heather Violet
TIA	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Heather Violet	Turquoise
IEC	Blue	Yellow	Red	White	Green	Violet	Orange	Grey	Turquoise	Black	Brown	Heather Violet