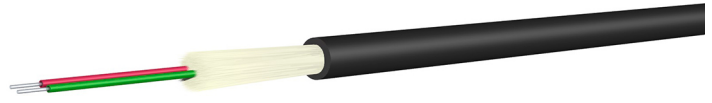


FIBER OPTIC CABLE Riser Cable

Description

02-../F(ZNG)H-...55

- Metal free indoor and outdoor cable
- Rodent-protected, glass-armoured
- For direct connector assembly
- Low smoke, halogen free and self-extinguishing
- Low fire load for high safety requirements



Available Types

Fiber count: 2 up to 2 Fibers

Type of Fiber

E9/125	according to IEC 60793-2-50 Typ B1.3 + ITU G.652.D
E9/125A1	according to IEC 60793-2-50 Typ B6_a1 + ITU G.657.A1
E9/125A2	according to IEC 60793-2-50 Typ B6_a2 + ITU G.657.A2
G50/125-OM2	according to IEC 60793-2-10 Typ A1a + ITU G.651
G50/125-OM3	according to IEC 60793-2-10 A1a2 + ITU G.651 BendOptimized
G62.5/125-OM1	according to IEC 60793-2-10 A1b

Standard Colours

Fiber:	E9: transparent
Tube:	According to colour code
Jacket (outer):	Black

Technical Data

Construction

Description / Material	Size	Options / Notice
2 Optical fiber	245 / 400 µm	Fiber type, buffered
2 Tight tube	0.9 mm	Colour
Reinforcement / glass-roving		Swellable
Outer jacket	5.5 mm	Colour, inscription

Mechanical Data

Characteristics	Conditions	Tested acc. to	Values
Weight			35 kg/km
Tensile strength	During installation In service	IEC 60794-1-2 E1	1000 N 500 N
Minimal bending radius	During installation In service	IEC 60794-1-2 E11	83 mm 60 mm
Crush resistance	During installation In service	IEC 60794-1-2 E3	20000 N/dm 6000 N/dm
Impact resistance	Wp = 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 F12	-25 °C up to +75°C -40 °C up to +75°C -40 °C up to +75°C
Fire load			0.67 MJ/m
Fire propagation	On a vertical single cable On a vertical cable bundle On a vertical cable bundle	IEC 60332-1-2 IEC 60332-3-25 UL 1666	passed passed passed
Fire test with circuit integrity (CI)		IEC 60331-25	60min
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/EC (RoHS)			compliant
Water penetration	h=1m, 24h, p<3m	IEC 60794-1-2 F5B	passed

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

Smaller bending radius are possible with E9/125 LowBend (ITU G.657) and G50/125-OM3/OM4 BendOptimized.

Comment

Optional:

OFNR UL listed - ordering code: 02-E9.../F(ZNG)H-...55-UR

OFNR UL listed - ordering code: 02-G50/F(ZNG)H-...55-UR