DATA SHEET

Fiber Optic Cables
Riser 2x0.9mm Tight Tube LSFH Ø 4.8mm Fca
02-.../FSN(ZN)H-...48#F

Properties

- Metal free indoor cable
- Strain relieved with aramide yarn
- Easy stripping
- Tight bending radii
- Low smoke, halogen free and self-extinguishing



Jacket colour

Construction		
Fiber	Quantity: up to	2
	Type	coloured
Strength member	Quantity	1 pcs
	Type	central
Tube	Quantity	2 pcs
	Diameter	0.9 mm
Strain relief	Type	aramide yarn
Outer jacket	Material	LSFH
	Diameter	4.8mm

Environmental data		
CPR class	Standard	EN 50575:2014+A1:2016
	Class	Fca
Temperature	Standard	IEC 60794-1-2 F1
	During installation	-25 °C ... 70 °C
	In service	-25 °C ... 70 °C
	In storage	-25 °C ... 70 °C
Flame propagation	Standard Condition	IEC 60332-1-2 On a vertical single cable
Fire characteristics	Standard Condition Characteristics	IEC 60754-2 Jacket material Halogen acid gas

Mechanical data		
Weight		approx. 24.5 g/m
Tensile strength	Standard	IEC 60794-1-2 E1
	During installation	500 N
	In service	300 N
Min. bending radius	Standard	IEC 60794-1-2 E11

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Mechanical data		
	During installation	10 mm
	In service	10 mm
Repeated bending	Standard	IEC 60794-1-2 E6
	Radius	30 mm
	Weight	1 kg
	Cycles	5000
Staple	Standard	HUBER+SUHNER
	Quantity	46 pcs
Crush resistance	Standard During installation In service	IEC 60794-1-2 E3 15000 N/dm 1500 N/dm
	Standard During installation In service	IEC 60794-1-2 E3 500 N/dm 300 N/dm
Impact resistance	Standard Energy Cycles	IEC 60794-1-2 E4 2.21 J 100
Kink resistance	Standard Radius	IEC 60794-1-2 E10 7.5 mm
Torsion	Standard Cycles Length Angle	IEC 60794-1-2 E7 1000 500 mm 360 °

Colours	
Fiber	E9A1: transparent
Tube	According to colour code
Standard outer jacket colours	Grey

Type of fiber	
Fiber type	**Fiber standard**
E9/125A1	according to IEC 60793-2-50 B-657.A1 + ITU-T G.657.A1
E9/125A2	according to IEC 60793-2-50 B-657.A2 + ITU-T G.657.A2

Fiber colour code

	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

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