DATA SHEET

Fiber Optic Cables
Simplex Semi Tight Tube LSFH Ø 2.4mm
01-.../CHJH-...24

Properties

- Metal free indoor cable
- Each fiber strain relieved
- Tube can be stripped up to 2m in one piece
- No need for cleaning the fibers
- Halogen free and non-corrosive fire gases



Jacket colour

Construction		
Fiber	Quantity: up to	1
	Type	uncoloured
Tube	Quantity	1 pcs
	Tube options	Jelly-free
	Diameter	0.9 mm
Strain relief	Type	aramide yarn
Outer jacket	Material	LSFH
	Diameter	2.4mm

Environmental data		
Temperature	Standard	DIN VDE 0742 part 233
	During installation	-5 °C ... 50 °C
	In service	-10 °C ... 70 °C
	In storage	-25 °C ... 60 °C
Flame propagation	Standard Condition	IEC 60332-1-2 On a vertical single cable
Fire characteristics	Standard Condition Characteristics	IEC 60754-1 Jacket material Halogen acid gas
	Standard Condition Characteristics	IEC 60754-2 Jacket material Degree of acidity

Mechanical data		
Weight		approx. 3 g/m
Tensile strength	Standard	TS 0029/96 4.73
	During installation	400 N
	In service	200 N
Min. bending radius	Standard	TS 0029/96 4.70
	During installation	60 mm

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Mechanical data		
	In service	30 mm
Repeated bending	Standard	IEC 60794-1-2 E6
	Radius	30 mm
	Weight	1 kg
	Cycles	10000
Crush resistance	Standard During installation In service	TS 0029/96 4.74 3000 N/dm 3000 N/dm
Impact resistance	Standard Energy Cycles	TS 0029/96 4.75 1.5 J 3
Torsion	Standard Cycles Length Angle	IEC 60794-1-2 E7 100 200 mm 360 °

Colours	
Fiber	E9, G50 and G62: transparent
Tube	E9: YE, G50: OG, G62: BU, OM3: TQ, OM4: HV
Standard outer jacket colours	Yellow
	Orange
	Turquoise
	Heather violet

Type of fiber	
Fiber type	**Fiber standard**
E9/125	according to IEC 60793-2-50 B-652.D + ITU-T G.652.D

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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