DATA SHEET

Fiber Optic Cables
Simplex Semi Tight Tube LSFH Ø 2.7mm
01-.../CWJH-...27

Properties

- Metal free indoor cable
- Each fiber strain relieved
- Tube can be stripped up to 1m in one piece
- Tight bending radii
- Halogen free and non-corrosive fire gases
- Low fire load for high safety requirements



Jacket colour

Construction		
Fiber	Quantity: up to	1
	Type	uncoloured
Tube	Quantity	1 pcs
	Tube options	Jelly-filled
	Diameter	0.9 mm
Strain relief	Type	aramide yarn
Outer jacket	Material	LSFH
	Diameter	2.7mm

Environmental data		
Temperature	Standard	IEC 60794-1-22 F12
	During installation	-10 °C ... 50 °C
	In service	-10 °C ... 70 °C
	In storage	-40 °C ... 70 °C
Flame propagation	Standard Condition	IEC 60332-1-2 On a vertical single cable
	Standard Condition	IEC 60332-3-25 On a vertical cable bundle
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. 7 g/m
Tensile strength	Standard	IEC 60794-1-2 E1
	During installation	400 N
	In service	200 N

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Mechanical data		
Min. bending radius	Standard	IEC 60794-1-2 E11
	During installation	50 mm
	In service	25 mm
Repeated bending	Standard	IEC 60794-1-2 E6
	Radius	25 mm
	Weight	0.5 kg
	Cycles	5000
Crush resistance	Standard During installation In service	IEC 60794-1-2 E3 5000 N/dm 1000 N/dm
Impact resistance	Standard Energy Cycles	IEC 60794-1-2 E4 1 J 20

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
	White
	Light Grey

Type of fiber	
Fiber type	**Fiber standard**
E9/125	according to IEC 60793-2-50 B-652.D + ITU-T G.652.D
G62,5/125-OM1	according to IEC 60793-2-10 A1-OM1
G50/125-OM2	according to IEC 60793-2-10 A1-OM2b + ITU-T G.651.1
G50/125-OM3	according to IEC 60793-2-10 A1-OM3b
G50/125-OM4	according to IEC 60793-2-10 A1-OM4b
E9/125A2	according to IEC 60793-2-50 B-657.A2 + ITU-T G.657.A2
E9/125A3	according to IEC 60793-2-50 B-657.B3 + ITU-T G.657.B3
G50/125-OM5	according to IEC 60793-2-10 A1-OM5b

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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