DATA SHEET

Fiber Optic Cables
Loose Tube 1x2.2mm LSFH Ø 3.5mm
12-.../BW(ZN)H-...35

Properties

- Metal free indoor and outdoor cable
- Strain relieved with aramide yarn
- High chemical resistance against acids/alkalies
- Halogen free and non-corrosive fire gases



Jacket colour



Construction		
Fiber	Quantity: up to	12
Tube	Quantity	1 pcs
	Tube options	Jelly-filled
	Diameter	2.2 mm
Strain relief	Type	aramide yarn
Outer jacket	Material	LSFH
	Diameter	3.5mm

Environmental data		
Temperature	Standard	IEC 60794-1-2 F1
	During installation	-10 °C ... 50 °C
	In service	-40 °C ... 70 °C
	In storage	-40 °C ... 70 °C
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. 10 g/m
Tensile strength	Standard	IEC 60794-1-2 E1
	During installation	900 N
	In service	250 N
Min. bending radius	Standard	IEC 60794-1-2 E11
	During installation	52.5 mm
	In service	35 mm
Repeated bending	Standard	IEC 60794-1-2 E6
	Radius	35 mm

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Mechanical data		
	Weight	1 kg
	Cycles	5000
Crush resistance	Standard During installation In service	IEC 60794-1-2 E3 3000 N/dm 1000 N/dm
Impact resistance	Standard Energy Cycles	IEC 60794-1-2 E4 1.4 J 50

Colours	
Fiber	According to colour code
Tube	White or natural
Standard outer jacket colours	Black
	Yellow
	Orange
	Turquoise

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

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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DOCUMENT PIM-P7319 / Date of publication: 13.05.2026 / uncontrolled copy