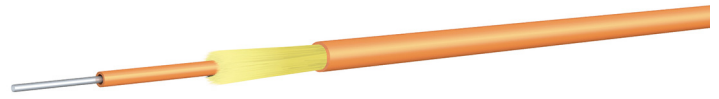


## FIBER OPTIC CABLE Simplex Cable LSFH

### Description

01-E9/CWJH-...30

- Metal free indoor cable
- Each fiber strain relieved
- For direct connector assembly with strain relief
- Tube can be stripped up to 1m in one piece
- Tight bending radii
- Halogen free and non-corrosive fire gases
- Jacket material according to UL 94V-0
- Low fire load for high safety requirements



### Available Types

Fiber count: 1 Fiber

#### Type of Fiber

E9/125

E9/125A1

E9/125A2

according to IEC 60793-2-50 Typ B1.3 + ITU G.652.D

according to IEC 60793-2-50 Typ B6\_a1 + ITU G.657.A1

according to IEC 60793-2-50 Typ B6\_a2 + ITU G.657.A2

#### Standard Colours

Fiber:

Tube:

Jacket (outer):

E9, G50 and G62: transparent

E9: YE, G50: OG, G62: BU, OM3: TQ, OM4: HV

E9: YE, G50 and G62: OG, OM3: TQ, OM4: HV

### Technical Data

#### Construction

Description / Material	Size	Options / Notice
1 Optical fiber	245 µm	Fiber type, colour
1 Semi-tight tube	0.9 mm	Colour, jelly-filled
Reinforcement / aramide yarn		
Outer jacket / PE flame retardant	3 mm	Colour, inscription

#### Mechanical Data

Characteristics	Conditions	Tested acc. to	Values
Weight			9.2 kg/km
Tensile strength	During installation In service	IEC 60794-1-2 E1	400 N 200 N
Minimal bending radius	During installation In service	IEC 60794-1-2 E11	50 mm 25 mm
Crush resistance	During installation In service	IEC 60794-1-2 E3	7000 N/dm 5000 N/dm
Impact resistance	Wp = 1 J	IEC 60794-1-2 E4	20 impacts
Repeated bending	Radius = 25 mm / Weight = 0.5 kg	IEC 60794-1-2 E6	5000 cycles

## FIBER OPTIC CABLE Simplex Cable LSFH

### Environmental Data

Characteristics	Conditions	Tested acc. to	Values
Temperature range	During installation In service In storage	IEC 60794-1-22 F12	-10 °C up to +50°C -10 °C up to +70°C -40 °C up to +60°C
Fire load			0.22 MJ/m
Fire propagation	On a vertical single cable On a vertical cable bundle	IEC 60332-1-2 IEC 60332-3-25	passed passed
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/EU (RoHS - including 2015/863 and 2017/2102)			compliant

Specification for singlemode at 1310nm/1550nm