

# SUHNER FIBEROPTIC

**CABLE TYPE: Multi-Fiber Loose Tube Cable**

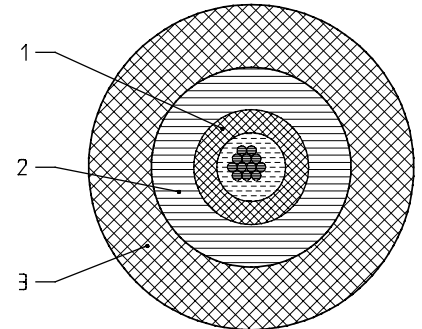
**H+S CODE: Up to 12-.../W(ZNG)Y-...85**

## Cable characteristics:

- Metal-free outdoor cable
- Longitudinal and transversal watertight cable design
- High chemical resistance against acids and alkaline solutions
- Good mechanical resistance
- Rodent-protected
- Installation directly in the ground and in mechanically unprotected environment

## Cable design:

Pos	Description / Material	Size	Options
1	Bundle tube / jelly-filled	d = <b>3.0mm</b>	Fibre type, color
2	Reinforcement / glass roving		
3	Jacket / PE	d = <b>8.5mm</b>	Color, inscription



## Colors:

<b>Fiber:</b>	<b>Standard:</b>	<b>according color code</b>
<b>Tube:</b>	<b>Standard:</b>	<b>white</b>
<b>Jacket:</b>	<b>Standard:</b>	<b>black</b>

## Notice:

Fiber properties acc.

DOK 01.05.Z001ff

## Technical characteristics:

Characteristics	Conditions	Tested acc. to	Values
Weight			<b>62</b> kg/km
Tensile strength	during installation ( $r \geq 130$ mm) in operation ( $r \geq 80$ mm)	IEC 60794-1-2 E1	<b>3000</b> N <b>1500</b> N
Min. bending radius	during installation in operation	IEC 60794-1-2 E11	<b>130</b> mm <b>80</b> mm
Compressive strength	during installation in operation	IEC 60794-1-2 E3	<b>400</b> N/cm <b>200</b> N/cm
Impact strength	$Wp = 4.41$ Nm / $r = 25$ mm	IEC 60794-1-2 E4	<b>30</b> impacts
Repeated bending strength	$r = 80$ mm / tension = <b>25</b> N	IEC 60794-1-2 E6	<b>5000</b> cycles
Torsion	angle = $\pm 1440^\circ$	IEC 60794-1-2 E7	<b>3</b> cycles
Temperature range	during installation in operation on stock	IEC 60794-1-2 F1	- <b>10</b> °C up to + <b>50</b> °C - <b>40</b> °C up to + <b>70</b> °C - <b>40</b> °C up to + <b>70</b> °C

Specifications for singlemode at 1550nm, for multimode at 1300nm.

The product is designed and guaranteed to pass the above mentioned test conditions and procedures. Any additional or different requirement arising from specific applications or environmental conditions which is not covered by these test conditions and procedures is subject to request.

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