

# SUHNER FIBEROPTIC

**CABLE TYPE: TWINTUBE**

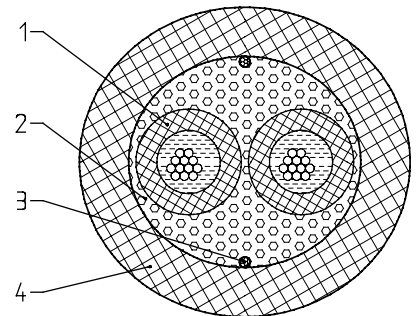
**CABLE CODE: Up to 24-.../W(ZNG)Y-...94**

## Cable characteristics:

- Metal free outdoor cable
- Up to 24 fibers within two loose tubes
- Good mechanical resistance
- Rodent-protected
- Small outer diameter
- Slightly oval outer jacket for compensation of fiber excess length by cable bending
- Longitudinal and transversal watertight cable design
- Good chemical resistance against acids and bases
- Installation directly in the ground and in mechanically unprotected environment
- Time-saving installation as there is no need to heat the twisted loose tubes to achieve a straight form
- Halogen free

## Cable design:

Pos	Description / Material	Size	Options
1	2 Multi-fiber loose tubes, jelly-filled	d = <b>3.0mm</b>	Fiber type, color
2	Strain-relief / glass roving armouring		
3	2 Tear off threads	Offset = <b>180°</b>	
4	Jacket / PE	d = <b>9.4x8.8mm</b>	Color, inscription



## Colors:

**Tube:** Standard: **1 tube red, 1 tube green**

**Jacket:** Standard: **black**

## Notice:

Fiber properties see

DOK **01.05.Z001ff**

## Technical characteristics:

Characteristics	Conditions	Tested acc. to	Values
Weight			<b>69</b> kg/km
Tensile strength	during installation ( $r \geq 150$ mm) in operation ( $r \geq 100$ 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>150</b> mm <b>100</b> mm
Compressive strength	during installation in operation	IEC 60794-1-2 E3	<b>800</b> N/cm <b>400</b> N/cm
Longitudinal watertightness	1m water column, 24 h	IEC60794-1-2 F5B	<b>passed</b>
Repeated bending	$r = 150$ mm / force = 50N	IEC60794-1-2 E6	<b>5000</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>20</b> °C up to + <b>70</b> °C - <b>40</b> °C up to + <b>70</b> °C
Fire load			<b>1.8</b> MJ/m

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.

**Document No.:** **01.05.B505**

Issued: **PEA / 17.04.2003**

Modification No.: **a**

Last amended:

Checked / released: **THS / 17.04.2003**

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Print: 24.04.03, copy uncontrolled when printed



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