

RHEYCORD® SHTOEU OFE
Rubber Sheated Optical Fibre Cables



RHEYCORD® SHTOEU OFE

Flexible Cables with Optical Fibre Elements (OFE)

Approval/Certificates

Applications

For transfer of data and optical signals. Used in cranes and material handling equipment (e.g. festoon systems, reels, cable tender systems).

Design

1. Optical fibres

Fibre core diameter: 9 µm,
50 µm, 62.5 µm
Reference surface diameter:
125 µm

2. Bedding

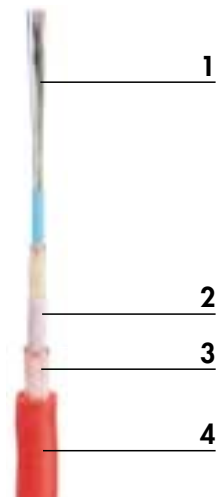
Elastomeric compound or/and
synthetic thread

3. Reinforcement

Braid, plastic threads with very
high tensile strength

4. Outer sheath

PCP (polychloroprene)
type 5GM5
Colour: black/orange



Marking

e.g.
RHEYCORD SHTOEU OFE
6G62,5/125

Standards

In line with
DIN VDE 0888
DIN VDE 0168
DIN ISO/IEC 9314-3

Options

- Further numbers of optical fibre elements upon request
- pre-assembled with plugs possible

RHEYCORD® SHTOEUF

Cable characteristics

Mechanical properties		
Tensile load	short-time operation	3,000 N
	long-time operation	1,000 N
Bending radii	fixed installation	≥ 60 mm
	festoon systems	≥ 125 mm
	reels, cable tender systems	≥ 200 mm
Reeling speed	up to 120 m/min. Only cylindrical reel.	

Chemical properties
Oil resistance according to DIN VDE 0472 part 803 and DIN EN 60811-2-1. For indoor and outdoor applications. Moisture, UV and ozone resistant.

Temperature properties	
Fixed installation	- 40/ +90 °C
Moved	- 25/ +60 °C

Optical Fibre properties	... G50/125	... G62,5/125	... E9/125
Attenuation coefficient at 850 nm	2.8 dB/km	3.3 dB/km	-
Attenuation coefficient at 1,300 nm	0.8 dB/km	0.9 dB/km	0.4 dB/km
Attenuation coefficient at 1,550 nm	-	-	0.3 dB/km
Minimum modal band width at 850 nm	> 200 MHz x km	> 200 MHz x km	-
Minimum modal band width at 1,300 nm	> 200 MHz x km	> 200 MHz x km	-
Numerical aperture	0.200 +/- 0.02	0.275 +/- 0.02	-
Dispersion at 1,285 - 1,330 nm	-	-	≤ 3.5 ps/nm. Km
Dispersion at 1,550 nm	-	-	≤ 18 ps/nm. km

RHEYCORD® SHTOEU OFE

Product Range	
SHTOEU OFE	6G50/125
SHTOEU OFE	6G62.5/125
SHTOEU OFE	12G50/125
SHTOEU OFE	12G62.5/125
SHTOEU OFE	24G62.5/125
SHTOEU OFE	12E9/125

For technical details ask the manufacturer.