

FEICHUNFESTOON FO 2 x 12 .../125



RoHS 2015/863/EU

CPR

CPR 305/2011

24
months
warranty

Heavy duty rubber cable for optical signal and data transmission

industrial
applicationexternal
application

UV resistance

telecommunication
cable

high flexibility



EN 60332-1-2

oil resistant
EN 60811-404

Technical data:

Thermal parameters:

Permissible ambient temperature:

- transportation / storage: -40 °C / 80 °C

- free moving / festoon application: -30 °C / 80 °C

Mechanical parameters:

Bending radius: ≥ 125 mm

Max. continuous load in operation: 2000 N

Travelling speed of motor driven

festoon cable trolleys: ≤ 300 m/min

Chemical parameters:

Resistance to oil: IEC 60811-404

Behaviour in case of fire: IEC 60332-1-2

Weather resistance:

unrestricted use indoors, outdoors, resistance to ozone, UV and moisture

Regulations of the individual fiber types:

single-mode optical fiber E9/125 acc. to

- ITU-T G.652 D - OS2¹⁾

- DIN EN IEC 60793-2-50 / VDE 0888-325

graded-index 62.5/125 μ m multimode fiber acc. to

- DIN EN IEC 60793-2-10 A1-OM1²⁾

- IEEE 802.3 Gigabit Ethernet Standard

- VDE 0888-321

graded-index 50/125 μ m multimode fiber acc. to

- DIN EN IEC 60793-2-10 A1-OM2 - OM4²⁾

- ITU-T G.651 / VDE 0888-321

fiber colour codes acc. to ANSI/TIA/EIA 598-A

Design:

Optical fiber element:

E9 design:

tube 1 - yellow: 6 fiber E9/125

tube 2 - red: 6 fiber E9/125

G62,5 design:

tube 1 - blue: 6 fiber G62,5/125

tube 2 - red: 6 fiber G62,5/125

G50 design:

tube 1 - green: 6 fiber G50/125

tube 2 - red: 6 fiber G50/125

combination of fiber types (e.g.: 6G50 + 6G62,5) on request

Synthetic strain relief elements

Jacket:

thermoplastic elastomer TPE

Separating tapes

Reinforcement:

braid made of high tec multifilament threads, non-hygroscopic and low shrinkage

Outer sheath:

heavy duty rubber compound, quality 5GM5 acc. to DIN VDE 0207-21, colour: orange / black, inkjet marking,

Application:

On festoon systems with e.g. heavy duty trolleys carry flat and round cables for transmission of electrical energy and optic signals. Travelling speed of motor driven festoon cable trolleys: ≤ 300 m/min.

Fiber type	Outer diameter min. - max. [mm]	Approximate cable weight [kg/km]
2x6 E9/125	10 - 11	130
2x6 G50/125		
2x6 G62,5/125		