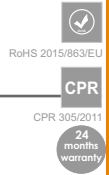


BITfiber® CRANE PUR FO 2 x 12 .../125



Heavy duty PUR sheathed cable for optical signal and data transmission



Industrial application



external 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: $\geq 15 \times \text{cable } \varnothing \text{ mm}^1$
Max. dynamic tensile load: 2000 N
Reeling speed: $\leq 120 \text{ m/min}$

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 - OS2²⁾
 - DIN EN IEC 60793-2-50 / VDE 0888-325

graded-index 62.5/125 μm multimode fiber acc. to
 - DIN EN IEC 60793-2-10 A1-OM1³⁾
 - IEEE 802.3 Gigabit Ethernet Standard
 - VDE 0888-321

graded-index 50/125 μm multimode fiber acc. to
 - DIN EN IEC 60793-2-10 A1-OM2 - OM4³⁾
 - 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: 12 fiber E9/125
 tube 2 - red: 12 fiber E9/125
G62,5 design: tube 1 - blue: 12 fiber G62,5/125
 tube 2 - red: 12 fiber G62,5/125
G50 design: tube 1 - green: 12 fiber G50/125
 tube 2 - red: 12 fiber G50/125

combination of fiber types (e.g.: 12G50 + 12G62,5) on request

Synthetic strain relief elements

Jacket: thermoplastic elastomer TPE

Separating tapes

Inner sheath: thermoplastic elastomer PUR

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

Outer sheath: thermoplastic elastomer PUR reinforced with dielectric yarns, halogen-free; colour: black matt, inkjet marking

Application:

On reeling systems for long distance communication network (LDN) e.g. optical PROFIBUS networks with special application requirements on mobile material handling equipment, small motor driven reels and spring driven reels.

Fiber type	Outer diameter min. - max. [mm]	Approximate cable weight [kg/km]
2x12 E9/125	14 - 16	200
2x12 G50/125		
2x12 G62,5/125		
12G50 (OM4) + 12 E9(OS2)		

¹⁾ for spring operated cable reels $\geq 10 \times \text{cable-}\varnothing$ possible (not tested)
²⁾ contain standard values or values at delivery. Attenuation values in the finished cable deviate
 Cable Factory BITNER reserves the right to modify specifications without prior notification.