

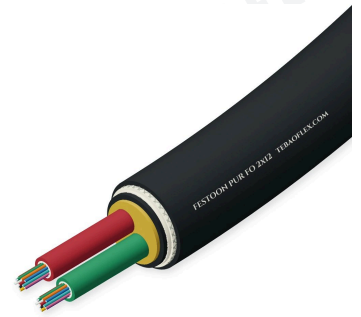


Crane fiber-optic festoon & reeling cables

FESTOON PUR FO 2×12/125

Halogen-Free Crane Fiber-Optic Festoon Cable

24-fiber (2 × 12) polyurethane crane festoon data cable for trolleys up to 240 m/min



24 Fibers (2 × 12)

E9 / G50 / G62.5

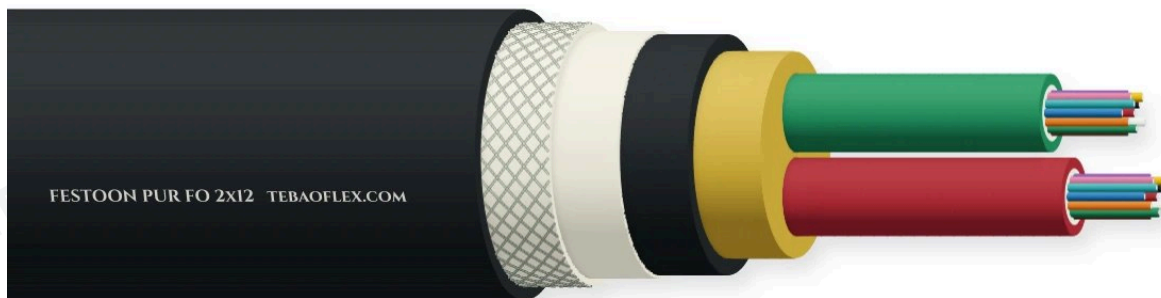
240 m/min PUR Festoon

Application

Heavy-duty 24-fiber halogen-free PUR festoon cable (FESTOON PUR FO 2×12/125) for high-speed container cranes and automated gantries up to 240 m/min, available in E9/125, G50/125 and G62.5/125 with 1,500 N dynamic tensile strength.

Typical uses: Ship-to-shore (STS) container cranes, Automated RMG / ASC stacking cranes, Port & intermodal gantry festoons, Steelworks & automated ladle cranes, Bulk terminal ship loaders & stackers, High-EMI VFD crane data backbones

Construction



Cross-section, not to scale

- 1 Optical fibers (2 × 12)
- 2 Loose buffer tubes & fillers
- 3 Separating tape
- 4 Dielectric multifilament braid
- 5 Outer sheath

Technical data

Typical values

Ambient temperature — moving / flexing	-30 to +80 °C
Max. festoon travel speed	Up to 240 m/min on motor-driven crane festoon trolleys
Min. bending radius	150 mm (~10 × outer diameter D)
Available fiber grades	E9/125 µm single-mode (ITU-T G.652.D / OS2) · G50/125 µm multimode (OM2/OM3) · G62.5/125 µm multimode (OM1)
Standard packing	Wooden drums or pre-terminated festoon assemblies on request

Ambient temperature — fixed / storage	-40 to +80 °C
Permissible tensile load	1,000 N max. continuous · 1,500 N max. dynamic
Fiber count & buffer design	24 optical fibers in 2 × 12-fiber colour-coded loose buffer tubes (ANSI/TIA/EIA-598-A)
Standards	ITU-T G.652.D (OS2) · IEC 60793-2-10 · ANSI/TIA/EIA-598-A

Sizes

3 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Order designation	Fiber layout	Fiber specification	Tube coding	OD min mm	OD max mm	Weight ≈ kg/km	Min. bend R mm	Cont. pull N	Dynamic pull N
Single-mode E9/125 1 sizes									
☐ FESTOON PUR FO 2×12 E9/125	2 × 12 E9/125	Single-mode OS2 (ITU-T G.652.D)	1 yellow + 1 red	13.0	15.0	180	150	1,000	1,500
Multimode G50 / G62.5 2 sizes									
☐ FESTOON PUR FO 2×12 G50/125	2 × 12 G50/125	Multimode 50/125 µm (OM2/OM3)	1 green + 1 red	13.0	15.0	180	150	1,000	1,500
☐ FESTOON PUR FO 2×12 G62.5/125	2 × 12 G62.5/125	Multimode 62.5/125 µm (OM1)	1 blue + 1 red	13.0	15.0	180	150	1,000	1,500

– All three variants are 100 % dielectric (metal-free) and share the same 13.0–15.0 mm outer diameter and 180 kg/km nominal weight.

Optical attenuation & bandwidth

3 sizes

Fiber grade	Standard	Wavelengths	Max. attenuation cabled	Modal bandwidth / capacity
E9/125 µm (OS2)	ITU-T G.652.D	1310 / 1550 nm	≤ 0.40 / ≤ 0.30 dB/km	Single-mode (10G/40G/100G)
G50/125 µm (OM2)	IEC 60793-2-10	850 / 1300 nm	≤ 2.8 / ≤ 0.8 dB/km	≥ 500 / ≥ 500 MHz-km
G62.5/125 µm (OM1)	IEC 60793-2-10	850 / 1300 nm	≤ 3.2 / ≤ 0.9 dB/km	≥ 200 / ≥ 500 MHz-km

– Attenuation values apply to cabled fibers at 20 °C.

Standards and approvals

Certifications



Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone

+86 185 9591 3361

Email

info@tebaoflex.com

Web

tebaoflex.com/cables/festoon-pur-fo-2x12-125-fiber-optic-cable



Typical values for this cable type, based on ITU-T G.652.D / IEC 60793. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.