



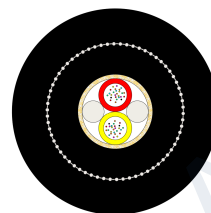
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

FESTOON PUR FO 2x12 125 CABLE

Heavy-duty PUR optical fiber cable for festoon systems



APPLICATION

Heavy-duty optical fiber cable for festoon systems and motor-driven trolleys transmitting optical signals and data. Suitable for indoor, outdoor, dry and wet environments.

KEY FEATURES

Parameter	Value
Application	Heavy-duty PUR sheathed cable for optical signal and data transmission in festoon systems
Fiber capacity	Two 12-fiber optical elements, with E9/125, G50/125 or G62.5/125 options
Dynamic service	Motor-driven festoon trolley speed up to 240 m/min
Protection	Reinforced halogen-free PUR outer sheath with dielectric yarns

DESIGN

Parameter	Value
Optical element	Synthetic strain relief elements and separating tapes
Fiber element	Two tubes, each containing 12 optical fibers; color coded
Reinforcement	High-tech multifilament braid, non-hygroscopic and low shrinkage
Outer sheath	Thermoplastic PUR, halogen-free, black matt

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Fiber standards	E9/125: ITU-T G.652 D, OS2; G50/G62.5: IEC and VDE standards
Ambient temperature, storage	-40 deg C to +80 deg C
Ambient temperature, moving	-30 deg C to +80 deg C
Bending radius	Minimum 150 mm
Continuous load	Maximum 1000 N
Dynamic tensile load	Maximum 1500 N
Travel speed	Maximum 240 m/min for motor-driven festoon trolleys
Oil resistance	IEC 60811-404
Flame performance	IEC 60332-1-2
Weather resistance	Indoor/outdoor use; ozone, UV and moisture resistant
Fiber colors	According to ANSI/TIA/EIA 598-A

TECHNICAL DATA

FESTOON PUR FO 2x12 125 - OPTICAL DATA						
Fiber type	Fiber element	Fiber specification	Outer diameter min.-max. mm	Approx. weight kg/km	Minimum bend radius mm	Dynamic tensile load N
E9	2x12	E9/125 single-mode	13-15	180	150	1500
G50	2x12	G50/125 multimode	13-15	180	150	1500
G62.5	2x12	G62.5/125 multimode	13-15	180	150	1500

COMPLIANCE AND SERVICE NOTES	
Parameter	Value
Fiber options	E9/125 single-mode, G50/125 multimode or G62.5/125 multimode
Fiber color code	According to ANSI/TIA/EIA 598-A
Sheath	Halogen-free PUR reinforced with dielectric yarns; black matt
Water and weather	Suitable for wet rooms, outdoor use and permanent water service conditions
Data note	Fiber attenuation values in the finished cable may differ from standard delivery values

CERTIFICATIONS



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