



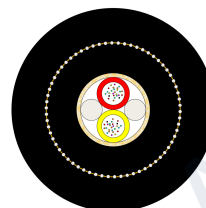
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

CRANE FO 2x12 125 RUBBER CABLE

Heavy-duty rubber optical fiber cable for reeling systems



APPLICATION

Heavy-duty rubber optical fiber cable for long-distance communication networks and mobile material-handling equipment. Suitable for small motor-driven reels, spring-driven reels and outdoor service.

KEY FEATURES

Parameter	Value
Application	Heavy-duty rubber sheathed cable for optical signal and data transmission on reeling systems
Fiber capacity	Two 12-fiber optical elements, with E9/125, G50/125 or G62.5/125 options
Dynamic service	Small motor-driven reels and spring-driven reels for long-distance communication networks
Protection	Heavy-duty rubber outer sheath with reinforced multifilament braid

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	Heavy-duty rubber compound type 5GM5 according to DIN VDE 0207-21

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 250 mm
Continuous load	Maximum 1500 N
Dynamic tensile load	Maximum 2000 N
Reeling speed	Maximum 120 m/min
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

CRANE 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	14-16	210	250	2000
G50	2x12	G50/125 multimode	14-16	210	250	2000
G62.5	2x12	G62.5/125 multimode	14-16	210	250	2000

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	Heavy-duty rubber compound type 5GM5, black, inkjet marking
Reeling service	For small motor-driven reels and spring-driven reels; maximum speed 120 m/min
Data note	Fiber attenuation values in the finished cable may differ from standard delivery values

CERTIFICATIONS



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