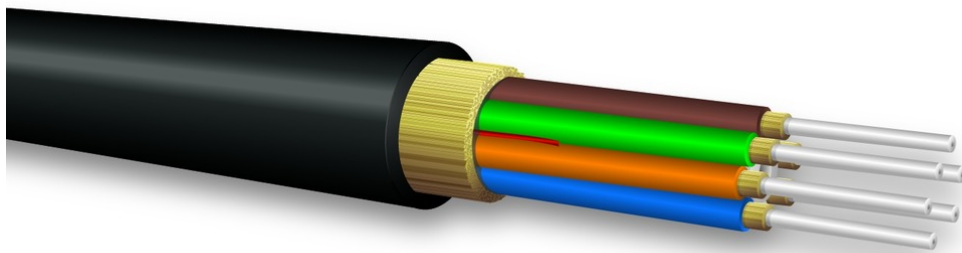


Military B-Series Breakout Mil-Tac Cable 12E9/125μ



tde - Mil-Tac Cable

Applications: Mil-Tac cables are ideal for use in harsh environments where deployment and retrieval for reuse is required.

- Extremely strong, lightweight, rugged, survivable tight-buffered cables designed for military tactical field use and commercial applications
- Compact, round cable design for ease of transportation and deployment
- Designed for use in adverse environments where reduced size and weight are important
- Helically stranded cable core for flexibility, deployment survivability and exceptional mechanical protection for the optical fibers
- Cables have been tested and are in use in military data communications applications worldwide
- Can be used outdoors for temporary deployment directly on the ground in all terrains, including severe environments
- Suitable for industrial, mining and petrochemical environments
- Crush-resistant and resilient with a thick layer of aramid strength members
- Polyurethane jacketed for abrasion, cut and chemical resistance



tde[®] trans data elektronik GmbH

Headquarter address:

Lingener Str. 2
D-49626 Bippen/Ohrte
Tel.: +49 5435 9511 0
Fax.: +49 5435 9511 32

Sales office address:

Prinz-Friedrich-Karl-Str. 46
D-44135 Dortmund
Tel.: +49 231 914 36 99
Fax.: +49 231 914 31 29

info@tde.de | www.tde.de

Military B-Series Breakout Mil-Tac Cable 12E9/125μ

Technical Data

General Characteristics

Impact Resistance	200 Impacts
Crush Resistance	440 N/cm
Flex Resistance	2.000 Cycles
Operating Temperature	-55°C to +85°C
Storage Temperature	-70°C to +85°C

Specifications

Fiber Count	12
Diameter	11.0 mm (0.43 in)
Weight	88 kg/km (59 lbs/1.000')
Installation Tensile Load	4.800 N (1.080 lbs)
Operational Tensile Load	1.200 N (270 lbs)
Minimum Bend Radius Installation	17.6 cm (6.9 in)
Minimum Bend Radius Operational	8.8 cm (3.5 in)

FO Fiber

Type	Singlemode ITU-T G.652.A
Core diameter	9 μm (typical mode field diameter at 1310 nm)
Cladding diameter	125 μm
Numeric aperture	-
Wavelength	1310/1550 nm
Gigabit Ethernet	5 km (10 km für 1310 nm 1000BASE-LH, und 5 km für 1310 nm 1000BASE-LR)
10-Gigabit Ethernet	10 km (10 km für 1310 nm 10GBASE-LR, und 40 km für 1550 nm 10GBASE-ER)
Maximum cabled attenuation	0.5/0.5 dB/km
Minimum Laser EMB bandwidth	-
Minimum OFL LED bandwidth	-

Product variants & accessories

Art.-No.	Description
MILTAC-B02E09	Military B-Series Breakout Mil-Tac Cable 2E9/125μ
MILTAC-B04E09	Military B-Series Breakout Mil-Tac Cable 4E9/125μ
MILTAC-B06E09	Military B-Series Breakout Mil-Tac Cable 6E9/125μ
MILTAC-B08E09	Military B-Series Breakout Mil-Tac Cable 8E9/125μ
MILTAC-B10E09	Military B-Series Breakout Mil-Tac Cable 10E9/125μ
MILTAC-B12E09	Military B-Series Breakout Mil-Tac Cable 12E9/125μ
MILTAC-B18E09	Military B-Series Breakout Mil-Tac Cable 18E9/125μ
MILTAC-B24E09	Military B-Series Breakout Mil-Tac Cable 24E9/125μ