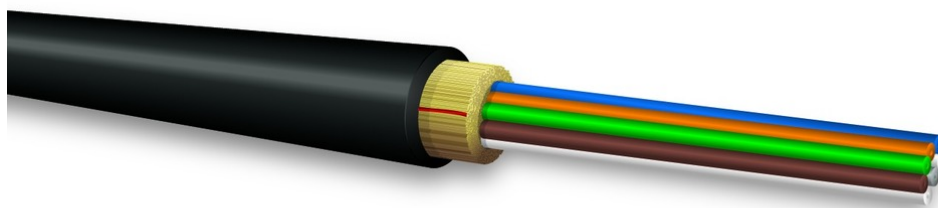


## Military D-Series Distribution Mil-Tac Cable 6E9/125μ



### 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



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## Military D-Series Distribution Mil-Tac Cable 6E9/125µ

### 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                      | 6                        |
| Diameter                         | 6.0 mm (0.24 in)         |
| Weight                           | 32 kg/km (22 lbs/1.000') |
| Installation Tensile Load        | 1.800 N (400 lbs)        |
| Operational Tensile Load         | 600 N (130 lbs)          |
| Minimum Bend Radius Installation | 9.6 cm (3.8 in)          |
| Minimum Bend Radius Operational  | 4.8 cm (1.9 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-D02E09 | Military D-Series Distribution Mil-Tac Cable 2E9/125µ  |
| MILTAC-D04E09 | Military D-Series Distribution Mil-Tac Cable 4E9/125µ  |
| MILTAC-D06E09 | Military D-Series Distribution Mil-Tac Cable 6E9/125µ  |
| MILTAC-D08E09 | Military D-Series Distribution Mil-Tac Cable 8E9/125µ  |
| MILTAC-D10E09 | Military D-Series Distribution Mil-Tac Cable 10E9/125µ |
| MILTAC-D12E09 | Military D-Series Distribution Mil-Tac Cable 12E9/125µ |
| MILTAC-D18E09 | Military D-Series Distribution Mil-Tac Cable 18E9/125µ |
| MILTAC-D24E09 | Military D-Series Distribution Mil-Tac Cable 24E9/125µ |