

TAC-090-12 Taktisk fiberkabel för extrema miljöer

Part Number: **FA0121231B**

Applications: Direct termination, Military/Tactical, Rugged environments
General Construction: The cable contains 12 SM G657A1 optical fibers each with a 0.9 mm color coded tight buffer are stranded together. The cable is reinforced and protected by waterblocking aramid strength yarns and jacketed with a polyurethane compound.
Outer Jacket Material: PU
Outer Diameter: 7.0 mm nom.
Weight: 42 kg/km



Design & Materials

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|----------------------------|---------------------|
| Buffer Material: | Polyester Elastomer |
| Buffer Diameter: | 900 µm |
| Strength Elements: | Aramid Yarns |
| Number of fibers: | 12 |
| Outer Jacket Color: | Black |
| Marking: | Per request |

Standards

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|------------------------------|--------------------------------|
| Applicable Standards: | IEC 60794-1-21/22, IEC 60794 |
| Installation: | Guidelines as per IEC TR 62691 |

Performance

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|---|---------------|
| Max. Installation Tensile Load : | 2500 N max. |
| Max. fiber strain at MIT: | 0.6 % |
| Max. Residual Tension (MRS) : | 750 N max. |
| Max. Fiber Strain at MRS.: | 0.2 % |
| Impact Resistance: | 10 N*m |
| Impact Resistance: | 3 cycles |
| Max. Crush Resistance: | 800 N/cm |
| Min. Bend Radius for Installation: | 20xD mm |
| Min. Bend Radius for Operation: | 10xD mm |
| Repeated Bending: | 10,000 cycles |
| Torsion (L=125 x d): | 10 cycles |
| Max. Operating Temperature: | +80 °C |
| Min. Operating Temperature: | -55 °C |
| Max. Installation Temperature: | +45 °C |
| Min. Installation Temperature: | -20 °C |
| Max. Storage Temperature: | +80 °C |
| Min. Storage Temperature: | -55 °C |
| UV Resistance: | Yes |
| Waterblocking: | Yes |