



Tactical Breakout Series Fibre Optic Cable

Tactical Breakout Series Fibre Optic Cable 6f - 24f

Features

- Polyurethane jacketed for abrasion, cut & chemical resistance
- High performance components and construction, extremely strong, lightweight, rugged & survivable
- Crush resistant & resilient, with two separate layers of aramid yarn strength members
- 2.0 mm sub-cables can be direct-terminated with standard connectors
- UV, water and fungus resistant
- 500um secondary fibre buffer offers maximum fibre protection

Application

- Military data & communications networks
- Broadcast & deployable connectivity
- Mine site & petrochemical
- Harsh environment networks
- Sub-zero and high temperature locations
- Underground subway stations and tunnels

Design

Tactical breakout series cable is the ideal cable solution for applications where the ability to deploy, retrieve and redeploy fibre cable is essential. Tactical cable is a flexible and extremely rugged cable design with excellent mechanical and environmental protection characteristics. The 2.0mm jacketed subcables allow for convenient termination and are perfectly suited for preterminated harsh environment connectors.

The quality and performance of the cable makes it perfectly suited to military, broadcast, port and rail fibre networks. Readily available in G657A2 singlemode and in OM1, OM3 & OM4 multimode fibre by special order.

Technical Information

Product Color	Black
Color Code	TIA598
Temperature, Operation [°C]	-55° C ~ +85° C
Temperature, Installation [°C]	-15° C ~ +70° C
Fiber Type	G657A1,G652D,OM1,OM3,OM4
Attenuation @Wavelength [nm]	1310/1550/1625 850/1300
Maximum Attenuation [dB/km]	0.35/0.21/0.23 3.0/1.0* excl OM1
Conformance	Temperature Range: (IEC 60794-1-2-F1) Cable Bend Radius: (IEC 60794-1-2-E11) Tensile Force: (IEC 60794-1-2-E1) Impact Resistance: (IEC 60794-1-2-E4) Crush resistance: (IEC 60794-1-2-E3) Flex resistance: (IEC 60794-1-2-E7) Water Penetration: (IEC 60794-1-2-F5) Torsion Resistance: (IEC 60794-1-21-E7)

Items 9

Item Name	Color	No. of Fibers	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Tensile Force, Operation [N]	Crush [N/100 mm]	Impact [J]	Torsion [°]	Diameter Ø [mm]	Weight [kg/km]
Tactical Breakout Series Cable 6F Multimode OM3 F-B6M3-PU-BK-MIL	Black	6	1x6	130	1000	500	1400	15	10 cycles (± 180°) 50 N, 2m	8.8	60
Tactical Breakout Series Cable 6F Multimode OM1 F-B6M1-PU-BK-MIL	Black	6	1x6	130	1000	500	1400	15	10 cycles (± 180°) 50 N, 2m	8.8	60
Tactical Breakout Series Cable 6F Singlemode G652D F-B6S-PU-BK-MIL	Black	6	1x6	130	1000	500	1400	15	10 cycles (± 180°) 50 N, 2m	8.8	60
Tactical Breakout Series Cable 4F Multimode OM3 F-B4M3-PU-BK-MIL	Black	4	1x4	110	800	400	1400	15	10 cycles (± 180°) 50 N, 2m	7.8	46
Tactical Breakout Series Cable 4F Multimode OM1 F-B4M1-PU-BK-MIL	Black	4	1x4	110	800	400	1400	15	10 cycles (± 180°) 50 N, 2m	7.8	46
Tactical Breakout Series Cable 4F Singlemode G652D F-B4S-PU-BK-MIL	Black	4	1x4	110	800	400	1400	15	10 cycles (± 180°) 50 N, 2m	7.8	46
Tactical Breakout Series Cable 2F Multimode OM3 F-B2M3-PU-BK-MIL	Black	2	1x2	110	800	400	1400	15	10 cycles (± 180°) 50 N, 2m	7.8	46

Item Name	Color	No. of Fibers	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Tensile Force, Operation [N]	Crush [N/100 mm]	Impact [J]	Torsion [°]	Diameter Ø [mm]	Weight [kg/km]
Tactical Breakout Series Cable 2F Multimode OM1 F-B2M1-PU- BK-MIL	Black	2	1x2	110	800	400	1400	15	10 cycles (± 180°) 50 N, 2m	7.8	46
Tactical Breakout Series Cable 2F Singlemode G652D F-B2S-PU- BK-MIL	Black	2	1x2	110	800	400	1400	15	10 cycles (± 180°) 50 N, 2m	7.8	46