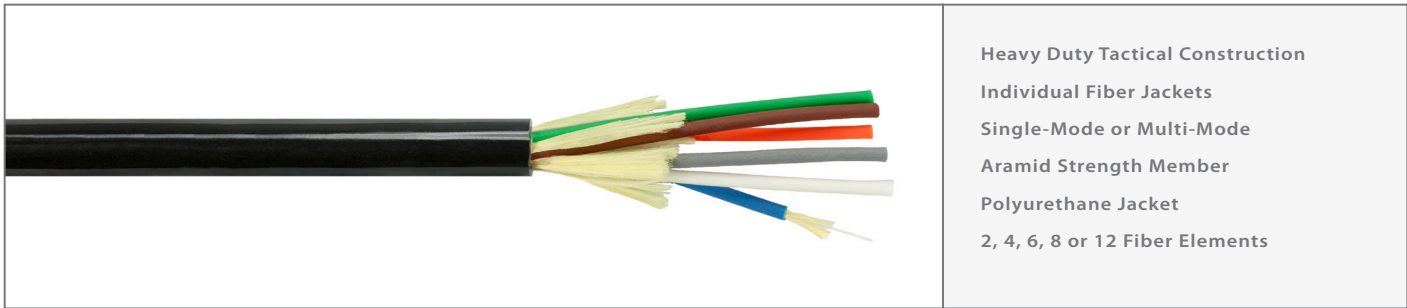


## BMT-T Series

### Tactical Breakout Optical Fiber Cables

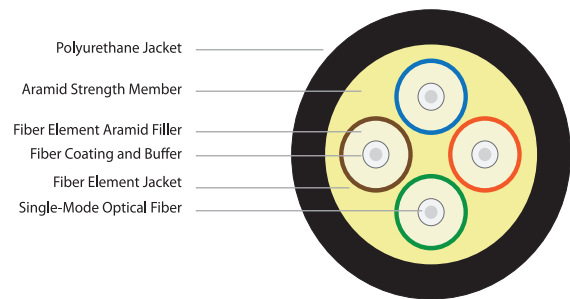


Heavy Duty Tactical Construction  
Individual Fiber Jackets  
Single-Mode or Multi-Mode  
Aramid Strength Member  
Polyurethane Jacket  
2, 4, 6, 8 or 12 Fiber Elements

Part Number: **CBF-BMTxxx\*\*T** (see below for variations)  
Description: Tactical Breakout Optical Fiber Cables

#### Materials & Dimensions

Fiber Type and ** Part Number Code	<b>SM</b> = Single-Mode 9um. Bend Tolerant <b>MM</b> = Multi-Mode 62.5um OM1 <b>MM5</b> = Multi-Mode 50u OM2 <b>MM53</b> = Multi-Mode 50u OM3
Cladding	Glass, 125um diameter
Primary Coating	UV Cured Acrylate, 245um diameter
Secondary Buffer	Hard Elastomeric Tight Buffer, 900um diameter
Element Strength Member	Aramid Yarn (per fiber element)
Element Jacket	Elastomer, 2.0mm O.D. (per fiber element)
Overall Strength Member	Aramid Yarn
Overall Jacket	Black Polyurethane



#### Performance Characteristics

Impedance Resistance	Crush Resistance	Proof Test Levels	Operating Temperatures
1500 impacts (EIA-455-25A)	2100 N/cm (EIA-455-41A)	100 kpsi	-40°C to 85°C

#### Product Variations

Part Number	Number of Elements	Fiber Color Code	Overall Diameter	Weight	Bend Radius (min.)	Tensile Load (max.)
<b>CBF-BMT002**T</b>	2	blue, orange	.260"	24 lbs/Mft	4.1" - Installation 3.2" - Operating	490 lbs - Installation 120 lbs - Operating
<b>CBF-BMT004**T</b>	4	blue, orange, green, brown	.300"	32 lbs/Mft	4.7" - Installation 2.4" - Operating	490 lbs - Installation 120 lbs - Operating
<b>CBF-BMT006**T</b>	6	blue, orange, green, brown, grey, white	.330"	37 lbs/Mft	5.4" - Installation 2.7" - Operating	540 lbs - Installation 130 lbs - Operating
<b>CBF-BMT008**T</b>	8	blue, orange, green, brown, grey, white, red, black	.390"	51 lbs/Mft	6.3" - Installation 3.1" - Operating	720 lbs - Installation 180 lbs - Operating
<b>CBF-BMT012**T</b>	12	blue, orange, green, brown, grey, white, red, black, yellow, purple, rose, aqua	.480"	59 lbs/Mft	6.9" - Installation 3.5" - Operating	1080 lbs - Installation 270 lbs - Operating

The BMT-T series are optical fiber cables in a heavy-duty tactical construction. Built for use in portable or hostile environments, the BMT-T cables feature a rugged polyurethane outer jacket, individual fiber jackets and aramid filler, an overall aramid strength member, and high strength fiber coatings and buffers. The single-mode versions are made from bend tolerant glass that is less susceptible to micro-bending attenuation. Together these materials deliver significantly improved flex-life, crush resistance and tensile strength when compared to typical permanent installation multi-strand fiber cables. The DMT-T series is available in two, four, six, eight and twelve strand versions.