



# Product Data Sheet

OCC DX012VALT9KBM 12 Core OM3 TB Tactical Fibre

## Description



The DX-Series is a deployable cable that is ideal for use in harsh environments where deployment and retrieval for reuse are required.

Product	SKU
OCC DX012VALT9KBM 12 CORE OM3 TB TACTICAL FIBRE	JB-00-1203

## Key Benefits

- Extremely strong, lightweight, rugged, survivable tight-buffered cables are designed for broadcast field use and commercial applications
- Compact, round cable design for ease of transportation and deployment
- Core-locked jacket for improved mechanical performance
- Designed for use in adverse environments where reduced size and weight are important
- Helically stranded cable core for flexibility, survival in difficult pulls, and exceptional mechanical protection for the optical fibers
- Cables have been tested and are in use in broadcast 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: chemical resistant
- Crush resistant and resilient with a thick layer of aramid strength members
- Polyurethane jacketed for abrasion, cut and chemical resistance
- Most commonly used with ruggedised multiway military tactical field connectors, for maximum connector retention (400lbs).
- Flame-Retardant Tactical (V) outer jacket.



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## Technical Specification

### OCC DX012VALT9KBM 12 Core Specification

Laser Ultra-Fox™ Fibre Performance	Installation and Operating Characteristics
<b>Fibre Code:</b> ALT	<b>Max Tensile Load:</b> Installation - 2,100 N (470 lbs) Operating - 700 N (160 lbs)
<b>Industry Standard Designation:</b> Laser Optimised OM3, Bend Insensitive, ISO/IEC 11801	<b>Min Bend Radius:</b> Installation - 6.5 cm (2.6 in) Operating 3.3 cm (1.3 in)
<b>Core/Cladding Diameter (µm):</b> 50/125	Mechanical and Environmental
<b>Numeric Aperture:</b> 0.20	<b>Impact Resistance EIA/TIA-455-25A:</b> 1500 impacts
<b>Wavelength (nm):</b> 850/1310	<b>Crush Resistance TIA/EIA-455-41A:</b> 1800 N/cm
<b>Gigabit Ethernet Distance (m):</b> 1000/600	<b>Flex Resistance:</b> 2000 cycles
<b>10-Gigabit Ethernet Distance (m):</b> 300/300	<b>Operating Temperature:</b> -40°C to +85°C
<b>Maximum Cabled Attenuation (dB/km):</b> 3.0/1.0	<b>Storage Temperature:</b> -70°C to +85°C
<b>Minimum Laser EMB Bandwidth (MHz-km):</b> 2000/500	Cable Characteristics
<b>Minimum OFL LED Bandwidth (MHz-km):</b> 1500/500	<b>Jacket Colour:</b> Black
<b>Primary Coating Diameter (µm):</b> 245	<b>Jacket Material:</b> Flame Retardant Tactical Polyurethane
<b>Secondary Buffer Diameter (µm):</b> 900	<b>Buffer Material:</b> Hard Elastomeric
<b>Proof Test Level (kpsi):</b> 100	<b>Cable Weight:</b> 43 kg/km (29 lbs/1000')
	<b>Cable Diameter:</b> 6.5 mm ( 0.26 in)