



# Product Data Sheet

OCC DX012VSLA9KBM 12 Core OS2 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 DX012VSLA9KBM 12 CORE OS2 TB TACTICAL FIBRE	JF-00-12002

## 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 DX002VSLA9KBM 12 Core Specification

Laser Ultra-Fox™ Fibre Performance	Mechanical and Environmental
<b>Fibre Code:</b> SLA	<b>Impact Resistance EIA/TIA-455-25A:</b> 1500 impacts
<b>Industry Standard Designation:</b> Bend Insensitive, Low Water Peak, Single Mode, ITU-T G.657.A1 and ITU-T G.652.D	<b>Crush Resistance TIA/EIA-455-41A:</b> 1800 N/cm
<b>Core/Cladding Diameter (µm):</b> 9/125	<b>Flex Resistance TIA-455-104:</b> 2000 cycles
<b>Wavelength (nm):</b> 1310/1550	<b>Operating Temperature:</b> -40°C to +85°C
<b>Maximum Cabled Attenuation (dB/km):</b> 0.5/0.5	<b>Storage Temperature:</b> -70°C to +85°C
<b>Primary Coating Diameter (µm):</b> 245	Cable Characteristics
<b>Secondary Buffer Diameter (µm):</b> 900	<b>Jacket Colour:</b> Black
<b>Zero Dispersion Slope (ps/nm<sup>2</sup>-km):</b> 0.092	<b>Jacket Material:</b> Flame Retardant Tactical Polyurethane
<b>Proof Test Level (kpsi):</b> 100	<b>Buffer Material:</b> Hard Elastomeric
Installation and Operating Characteristics	<b>Cable Weight:</b> 43 kg/km (29 lbs/1000')
<b>Max Tensile Load:</b> Installation - 2,100 N (470 lbs) Operating - 700 N (160 lbs)	<b>Cable Diameter:</b> 6.5 mm ( 0.26 in)
<b>Min Bend Radius:</b> Installation - 6.5 cm (2.6 in) Operating 3.3 cm (1.3 in)	