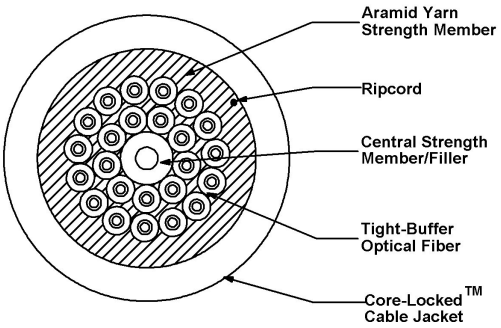
Part #: D-024CWLS5KM

24 CHANNEL
D-Series Distribution – Mil-Tac Cables



Ultra-Fox™ Plus Fiber Performance	
Fiber Code	WLS
Industry Standard Designation	Laser Grade OM1 ISO/IEC 11801
Core/Cladding Diameter (µm)	62.5/125
Numeric Aperture	0.275
Wavelength (nm)	850/1310
Gigabit Ethernet Distance (m)	300/600
10-Gigabit Ethernet Distance (m)	33/300
Maximum Cabled Attenuation (dB/km)	3.5/1.5
Minimum Laser EMB Bandwidth (MHz-km)	220/500
Minimum OFL LED Bandwidth (MHz-km)	200/500
Primary Coating Diameter (µm)	500
Secondary Buffer Diameter (µm)	900
Proof Test Level (kpsi)	100

Installation and Operating Characteristics		
	Installation	Operating
Max Tensile Load	3,000 N (670 lbs)	1,000 N (220 lbs)
Min Bend Radius	8.5 cm (3.3 in)	4.3 cm (1.7 in)

Mechanical and Environmental	
Impact Resistance TIA-455-25	1500 impacts
Crush Resistance TIA-455-41	1800 N/cm
Flex Resistance TIA-455-104	2000 cycles
Operating Temperature	-55°C to +85°C
Storage Temperature	-70°C to +85°C

Cable Characteristics	
Jacket Color	
Jacket Material	Polyurethane
Buffer Material	Hard Elastomeric
Cable Weight	60 kg/km (40 lbs/1000')
Cable Diameter	8.5 mm (0.33 in)

This specification is valid as of 10/02/25 01:59, however, the specification is subject to change at any time.

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Applications

- Ground-tactical cable that is ideal for use in harsh environments where deployment and retrieval for reuse is required

Features

- Extremely strong, lightweight, rugged, survivable tight-buffered cables designed for military tactical 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, deployment survivability and exceptional mechanical protection for the optical fibers
- Cables have been tested and are in use in military 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 ruggedized multiway military tactical field connectors, for maximum connector retention (400lbs.)
- Tactical Polyurethane (C) outer jacket material is standard; Flame-Retardant Tactical (V) and Low-Smoke Zero-Halogen (G) outer jacket materials are available
- Ultra-Fox Plus Fiber (500µm) used for environmental and mechanical protection

OCC PROVIDED OPTIONS

- Mil-Tac cables pre-spooled on deployable reels for a ready-to-use product
- Mil-Tac cables can be pre-terminated with single-fiber or ruggedized multichannel connectors upon request