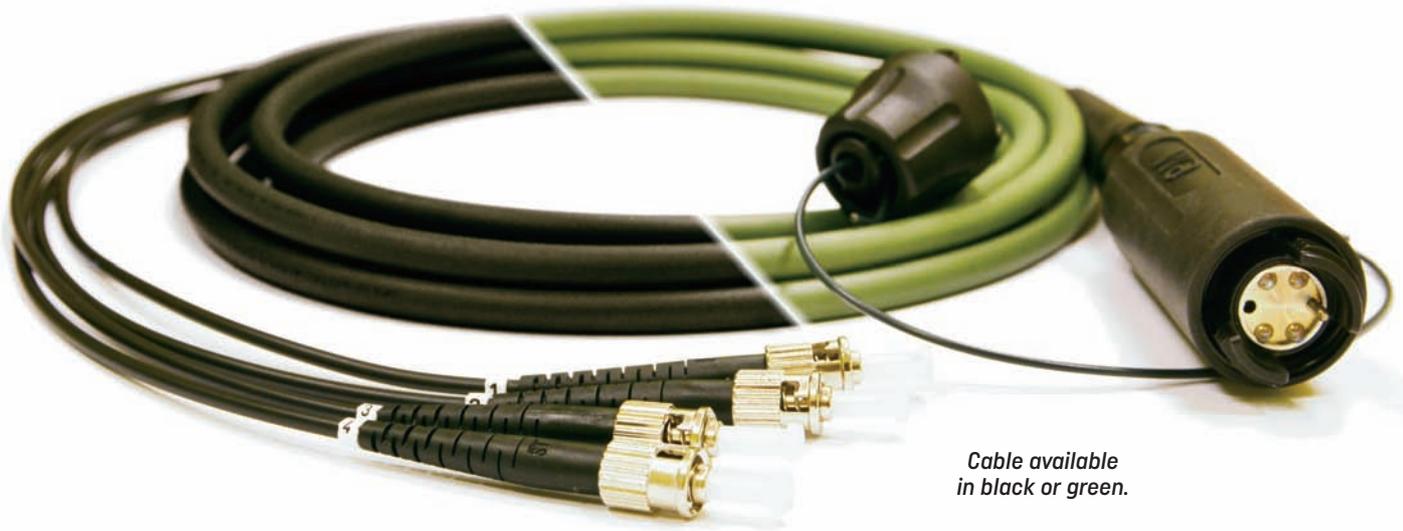


DSEB Tactical Optical Cables w/ Expanded Beam Connectors HMA



Cable available in black or green.

The Hybrid Multi Application, (HMA) connector series is a small hybrid connector. Its innovative design promotes deployment in the harshest environments, where both high performance and total reliability are critical.

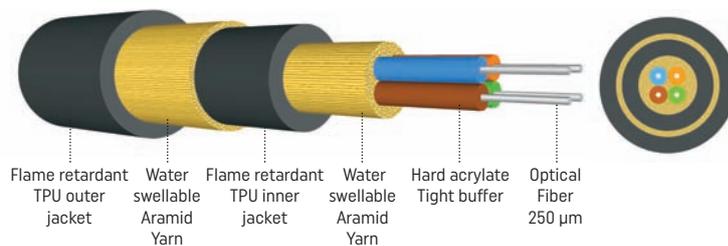
HMA connectors can easily be installed and repaired in the field, ideally suiting them for environmental extremes where low maintenance and quick reparability are necessary.

Applications

Suitable for field-deployable communications such as oil fields and platforms, marine connections ship-to-shore, military control and management systems (C4ISR*), security systems, mobile diagnostic units, and other harsh environment applications demanding strength, durability and reliable performance in conditions of multiple coupling and decoupling, and high vibration.

* Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance

Structure of the durable military-type 4-fiber double-sheathed optical cable.



The cable can be delivered with drums.

Specifications

Parameters	Unit	Specifications
Optical Fibers		2 / 4 / 8 / 12
Fiber Type		OS2 / OM1 / OM2
Strength members		Water-swellable Aramid Yarn
Outer Sheath		UV-stable, flame-retardant thermoplastic polyurethane with outstanding hydrolysis resistance, low temperature flexibility and high resistance to micro-organisms
Max. attenuation MMF@850 nm	dB/km	3.5
Max. attenuation MMF@1300 nm	dB/km	1.5
Max. attenuation SMF @1310 nm	dB/km	0.4
Max. attenuation SMF @1550 nm	dB/km	0.3
Tensile strength (EN 60794-1-2-E1)	N	2200
Max. compressive loading (EN 60794-1-2-E3)	N	4500
Max. Impact loading (EN 60794-1-2-E4)	J	15
Cable outer diameter	mm	7.1
Sheath thickness	mm	1.0
Min. bend radius not loaded (EN 60794-1-2-E11)	OD	10
Min. bend radius load (EN 60794-1-2-E11)	OD	20
Operating temperature range	°C	-40 to +85
Installation temperature range	°C	-20 to +50
Storage temperature range (EN 60794-1-22-F1)	°C	-40 to +85
Cable weight	kg/km	43
Class of fire reaction (EN 13501-6)		Fca

ORDERING CODES

DSEB: Tactical Optical Cables w/ Expanded Beam Connectors HMA

DS	EB	-	✓	/	✓	-	✓	✓	-	???	-	✓	
													Housing Type (A Side / B Side)
S													HMA connector with coupling nut
Z													HMA socket with jam-nut mount
F													HMA socket with flange mount
O													Optical connectors (customer-specified)
N													Loose ends (no connectors)
													Fiber Type
S													Singlemode 09/125 µm
M													Multimode 62.5/125 µm
P													Multimode 50/125 µm
													Number of Fibers (Lens Diameter)
2													2 Fibers (3 mm)
4													4 Fibers (3 mm)
8													8 Fibers (2 mm)
12													12 Fibers (2 mm)
200.0													Cable Length (m)
													Cable Color
K													Black
G													Green

Example

DS EB - S / O - P 4 - 200.0 - K INTEL DAT tactical cable, HMA connector with coupling nut on Side A and customer-specified connectors on Side B, multimode 50/125 µm fiber, 4 fibers (3 mm lens diameter), 200 m length, black cable

Please contact us to discuss proper drum size and configuration for your need.

IntelDat