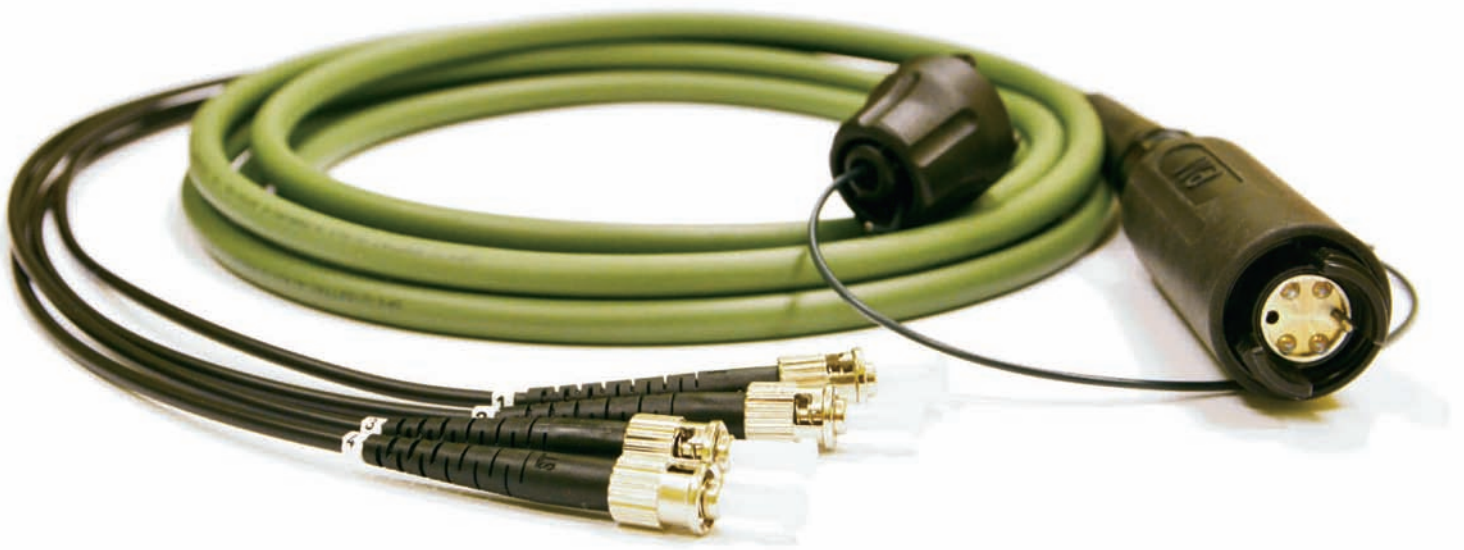


# DSEB Tactical Optical Cables w/ Expanded Beam Connectors HMA



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.

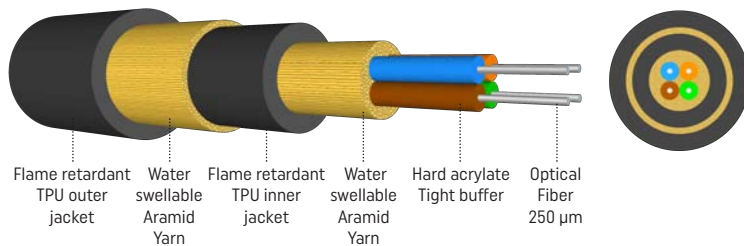
HMA connectors can easily be installed and repaired in the field, ideally suiting them for environmental extremes where low maintenance and quick reparability are necessary,

## 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@850nm	dB/km	3.5
Max. attenuation MMF@1300nm	dB/km	1.5
Max. attenuation SMF @1310nm	dB/km	0.4
Max. attenuation SMF @1550nm	dB/km	0.3
Tensile strength (EN 60794-1-2-E1)	N	2 200
Max. compressive loading (EN 60794-1-2-E3)	N	4 500
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	-	✓	/	✓	-	✓	✓	-	???	-	✓	✓	
														<b>Housing Type (A Side / B Side)</b>
S														Plug with coupling nut
Z														Bulkhead with jam-nut mount
F														Bulkhead with flange mount
														<b>Fiber Type</b>
S														Single-mode 09/125 µm
M														Multi-mode 62.5/125 µm
P														Multi-mode 50/125 µm
														<b>Number of Fibers (Lens Diameter)</b>
2														2 Fibers (3 mm)
4														4 Fibers (3 mm)
8														8 Fibers (2 mm)
12														12 Fibers (2 mm)
200.0														<b>Cable Length (m)</b>
														<b>Cable Construction</b>
0														Standard
X														Customized (on request)
Example														
<b>DS</b>	<b>EB</b>	<b>-</b>	<b>S</b>	<b>/</b>	<b>S</b>	<b>-</b>	<b>P</b>	<b>4</b>	<b>-</b>	<b>200.0</b>	<b>-</b>	<b>0</b>	<b>0</b>	INTELDAT tactical cable, plug-plug, multi-mode 50/125 µm fiber, 4 fibers (3 mm lens diameter), 200 m length, standard version