

Hexatronic

FieldLink



Hexatronic - FieldLink



Cable System for field applications

FieldLink is a tactical cable system engineered for demanding military communication environments. Each cable assembly features expanded beam connectors for reliable connectivity, paired with our robust MIL-TAC cable designed to endure repeated field deployments. The cable is stored on a rugged, impact-absorbing polymer reel, ensuring long-lasting durability, easy transport and efficient handling.

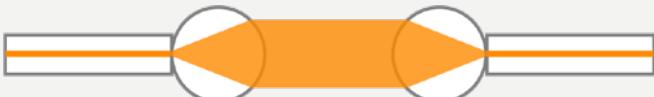
All of our cable assemblies are manufactured to the highest quality standard in our factory, comes with a test report, and are fully traceable to our ISO 9001:2015 procedures.

Features

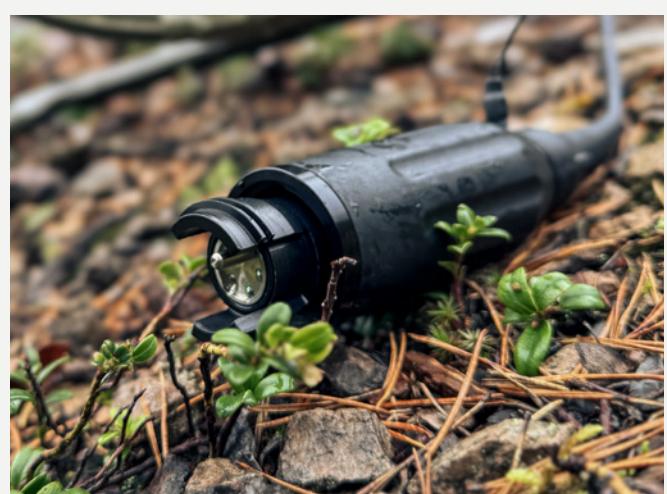
A reliable solution with exceptional performance.

- Expanded beam technology
- MIL-TAC field deployable cable
- Impact absorbing polymer reel
- Integrated connector storage
- Built in cleaning kit

Expanded beam technology



Expanded beam connectors utilize optical lenses to expand the fiber's optical beam, typically at the connector interface. The EB is then refocused onto the receiving fiber using a lens system. This technique avoids the direct physical contact found in traditional connectors, significantly reducing the risks associated with contamination and misalignment.



FieldLink Connectors

Mini Series



Small formfactor, ideal for applications where size and space requirements are critical.

- 21 mm plug diameter
- 70 g
- 1 to 4 channels

Junior Series



Designed for use in the most demanding harsh environment applications.

- 27 mm plug diameter
- 120 g
- 1 to 4 channels
- MIL-DTL-83526 qualified variant available

Senior Series



Designed for use in the most demanding harsh environment applications, with extended configuration range.

- 31 mm plug diameter
- 150 g
- 1 to 8 channels

Maxi Series



Designed for use in the most demanding harsh environment applications with larger formfactor to accomodate more fiberchannels.

- 40 mm plug diameter
- 310 g
- 12 or 16 channels

MIL-TAC Cables

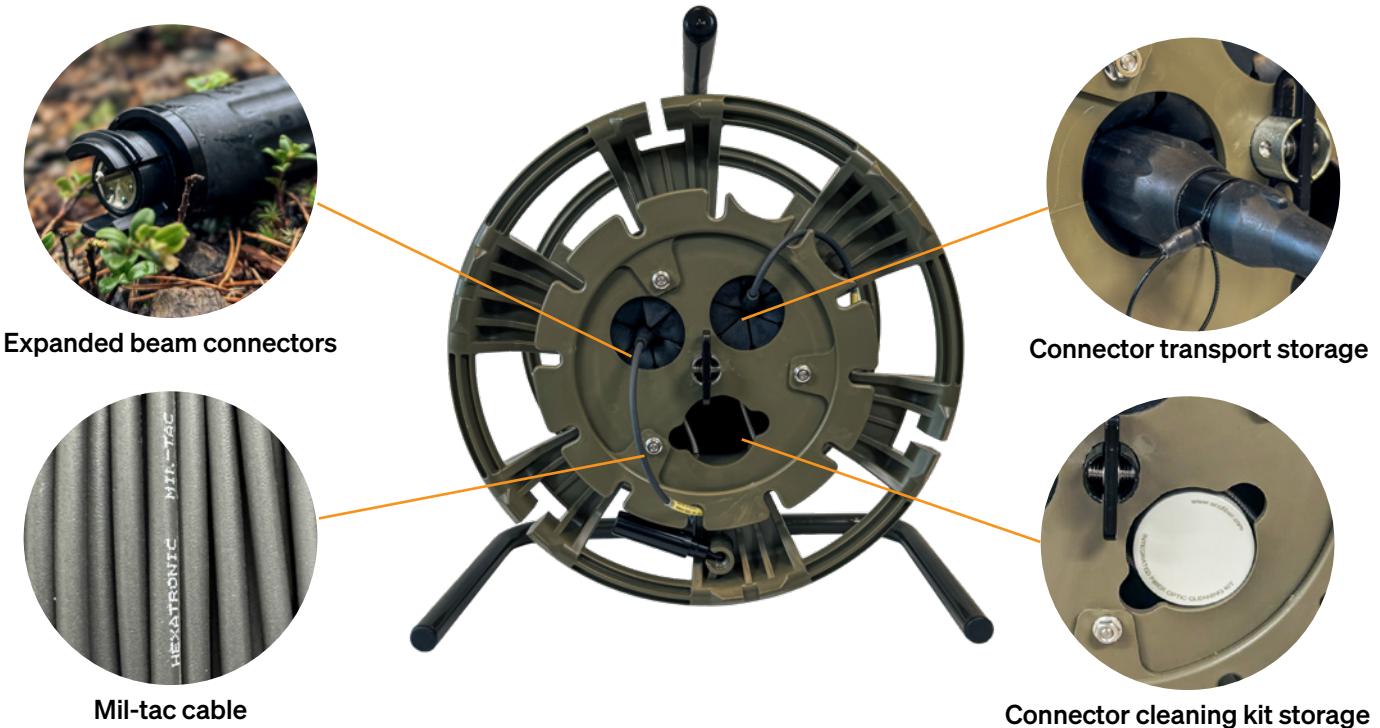
Lightweight, rugged fiber optic cables engineered for military tactical and harsh environment applications.

Designed for extreme durability, these cables use aramid strength members and a polyurethane outer jacket for superior resistance to abrasion, chemicals, and crushing forces.

Built for repeated deployment and retrieval, they operate in temperatures from -55°C to +85°C.



FieldLink Key Features



Ordering information

FAS4J-0200-G2

Fiber type	
Symbol	Description
S	Singelmode 9 / 125 um
1	Multimode 62.5 / 125 um OM1
3	Multimode 50 / 125 um OM3
4	Multimode 50 / 125 um OM4

Channel count	
#	Connector types
2	Mini 2, Junior, Senior
4	Mini 2, Junior, Senior
8	Senior
12	Maxi

Expanded beam connector type	
Symbol	Description
M	Mini 2
J	Junior
S	Senior
X	Maxi

Stand	
Symbol	Description
1	EZ Fold (< 500m 4 channel)
2	Tripod (< 500m 4 channel)
3	Frame (>500m 4 chann)

Color	
Symbol	Description
B	Black
G	Green
T	Tan

Cable length	
Symbol	Description
XXXX	number of meters (0500 = 500 m)

Other configurations are available on request.

In today's world, connectivity is critical even in the most demanding environments. We are experts in dynamic cables, connectivity, and sensing for harsh environments. Explore solutions built to last.

Are you looking for connectivity solutions for harsh environment?

Our team is here to support you! We provide design, assembly, and technical expertise to ensure reliable performance in the most demanding conditions. Let us help you build solutions that last.

Contact us at hexatronic.com/en/harsh-environment/contact