

# FALCON™ JR PLUG

Productsheet  
FALCON™ JR Plug

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The FALCON connectors has the best optical performance on the market. This is achieved with Micropol's lens technology, state of the art production and alignment process.

The FALCON expanded beam connector JR Plug is the only junior sized connector in the world with a range from 1- 12 fibers, that have approved beam size according to MIL-M83526/20&21.

Like the other connectors in the FALCON-family, it is compatible with other Junior-size expanded beam connectors on the market.



## COMPATIBLE WITH:

FIBRECO JUNIOR

QPC Q-MINI

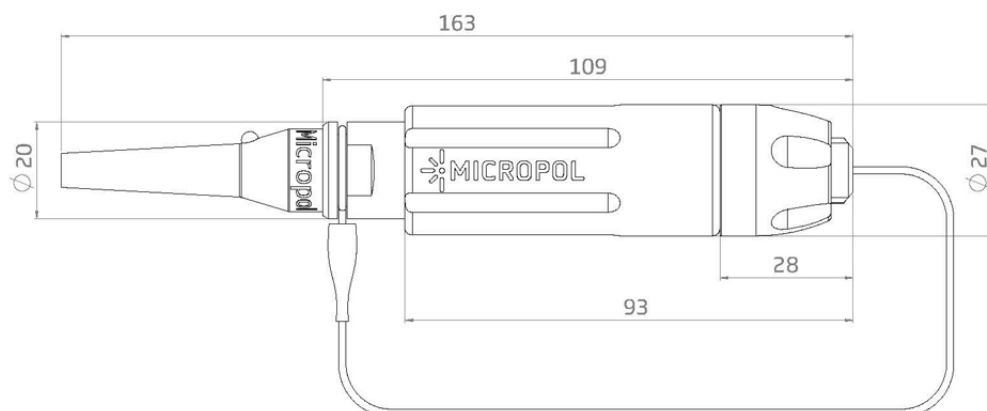
TE PRO-BEAM Junior

Amphenol TacBeam

Stratos HMA

## FEATURES

- Built according to MIL-M83526/20&21
- Advanced expanded beam technology
- Hermaphroditic interconnection
- 1 to 12 fiber channels single-mode or multi-mode
- No adaptors needed
- Low downtime field repair
- Easy clean, no special tools



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## Optical

Type	Single-mode (SM), Multi-mode (MM) or hybrid
Insertion Loss (SM)	Typical insertion loss -0,8dB (1310 nm) Maximum insertion loss -1,2dB (1310 nm)
Insertion Loss (MM)	Typical insertion loss -0,8dB (1300 nm) Maximum insertion loss -1,0dB (1300 nm)
Return Loss	>35dB at 1310nm or 1550nm Polarization dependent loss less than 0,35 dB

## Mechanical

Coupling type	Hermaphroditic
Compliant	ROHS & REACH
Material	Hard anodized aluminum
Alternative material	Marine bronze & stainless steel
Colour	Gray
Durability	3000 mating cycles
Free fall	500 falls from 1,2 meters height
Vibration	5-500Hz, 0,75mm amplitude at 10G
Shaking	390 m/S numbers of shakes 3x4000
Shock pulse length	11ms, half sine at 35g Numbers of axis: 3 (x, y, z)
Recommended wall thickness	2-3 mm

## Environmental

Operating Temperature	-57°C to +85°C, +100°C optional
Water Immersion	IP67
Air pressure	<25kPa -55°C during 4h
Corrosion resistance	500h salt spray
Flammability	DOD-STD-1678, method 5010