

PROCON™ TERMINATION KIT

Expanded Beam Connector

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Micropol Fiberoptic´s new PROCON expanded beam connectors offers good attenuation with an insertion loss of <1,5 dB.

Micropols termination instructions are easy to follow and the high quality components guarantees a perfect alignment of the lenses to ensure the highest optical performance.

Features

- Insertion loss <1,5 dB
- 10Gbit/s transmission per channel (optional)
- Approved beam according to MIL-DTL-83526 20/21 Military standard
- Temperature range -57°C to +85°C
- Hermaphroditic interconnection
- Rugged connector design
- Keyed boot for blind mating
- No adaptors needed
- Easy clean, no special tools



Product Configurations

Product	# of channels	Cable Diameter (mm)
PROCON Junior Plug	2	5,0-6,5
PROCON Junior Plug	4	5,0-6,5
PROCON Junior Plug Mixed Mode	4	5,0-6,5
PROCON Junior D-hole	2	5,0-6,5
PROCON Junior D-hole	4	5,0-6,5
PROCON Junior Square	2	5,0-6,5
PROCON Junior Square	4	5,0-6,5
PROCON Mini Plug	2	5,0-6,5
PROCON Mini Plug	4	5,0-6,5
PROCON Mini D-hole	2	5,0-6,5
PROCON Mini D-hole	4	5,0-6,5
PROCON Mini Square	2	5,0-6,5
PROCON Mini Square	4	5,0-6,5

Compatible with:

Fibreco Junior
QPC Q-MINI
TE PRO-BEAM Junior
Amphenol TacBeam
Stratos HMA



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Standard configurations

PROCON Mini	2 to 4 channels
PROCON Junior	2 to 4 channels

Optical

Type	Single mode (SM), Multimode (MM) or Mixed Mode
Transmission	10Gbit/s
Insertion loss (SM)	Typical Insertion Loss -1,0dB (1310 nm) Maximum Insertion Loss -1,5dB (1310 nm)
Insertion loss (MM)	Typical Insertion Loss -1,0dB (1300 nm) Maximum Insertion Loss -1,5dB (1300 nm)
Return loss (PDL)	>35dB at 1310nm or 1550nm Polarization dependent loss less than 0,5dB

Mechanical

Coupling type	Hermaphroditic
Compliant	ROHS & REACH
Material	Hard anodized aluminum
Alternative material	Marine bronze, stainless steel or titanium
Colour	Grey
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 - not valid for cable plug JR and Mini

Environmental

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