

QMINI FO PLUG/RECEPTACLE ASSEMBLY

APPLICATIONS

- Field-deployable communications;
- Marine ship-to-shore applications;
- Oil and gas exploration;
- Broadcast and Entertainment;
- Other Harsh Environment Applications.



PRODUCT FACTS

Reinforced cable assemblies specially designed for use in harsh field conditions. Can be supplied on lightweight cable drums on trolleys, which simplify the installation of assemblies and protect connectors during storage.

PRODUCT SPECIFICATIONS

CABLE PARAMETERS	
Fiber Count	2/4
Cable Construction	Round Cable
Jacket Material	UV-resistant Polyurethane Compound
Jacket Colour	Black
Fiber Type	SM OS2 or MMF (OM2/OM3/OM4)
Outer Diameter	4,4/5,9 mm
CONNECTOR PARAMETERS	
Interface, Connector A	QMini Expanded Beam connector plug
Interface, Connector B	QMini Expanded Beam Receptacle Jam Nut / QMini Expanded Beam Receptacle Flange Mount / QMini Expanded Beam Receptacle Flange Mount RX
Intermateability, Connector A	MIL-PRF-83526/20
Intermateability, Connector B	MIL-PRF-83526/20
Material/Colour, Connector A	6061-T6 Aluminum/303 Stainless Steel/Olive Drab Zinc-Nickel/Black Zinc-Nickel Black
Material/Colour, Connector B	6061-T6 Aluminum/303 Stainless Steel/Olive Drab Zinc-Nickel/Black Zinc-Nickel Black
Colour, Boot Connector A	Black
Colour, Boot Connector B	Black
Polish type, Connector A	PC
Polish type, Connector B	PC
Insertion Loss, Connector A	Typical – 0,7dB @1300nm for MM; 0,7dB @1310 or 1550nm for SM (tested with RC)
Insertion Loss, Connector B	Typical – 0,7dB @1300nm for MM; 0,7dB @1310 or 1550nm for SM (tested with RC)
Return Loss, Connector A	> 34 dB @ 1310 or 1550 nm for SM
Return Loss, Connector B	> 34 dB @ 1310 or 1550 nm for SM
Connector A, quantity	1

Connector B, quantity	1
Polarity	on request (Type A, Type B)
MECHANICAL PERFORMANCE	
Tensile strength	1600/2300 N (short term); 1100/1380 N (long term)
Min. bend radius for installation	44/59 mm
Max. crush resistance	2000/800 N/cm
Repeated Bending	10 000 cycles
TEMPERATURE RANGE	
Installation	-46°C +85 °C
Operation	-46°C +85 °C
Storage	-55°C +85 °C
IDENTIFICATION	
	Traceability label with unique serial number on both ends
PACKAGING	
	Each Assembly is Packed in a plastic bag, several assemblies are Packed in a cardboard box. Long assemblies can be supplied on an aluminum or steel drum (on request)