FL-TAC™ MINI OPTICAL LOOP

APPLICATIONS

- Field-deployable communications;
- Marine ship-to-shore applications;
- Other harsh environments applications;
- Oil and gas exploration;
- Broadcast and Entertainment;
- Mining;
- Checking the integrity of the optical patches.

PRODUCT FACTS

The optical loop pad is made on the basis of the FL-TAC™ connector using optical fiber, which has low losses at small values of the bending radius. Designed to check the integrity of optical paths. It has a fully sealed housing.

PRODUCT SPECIFICATIONS

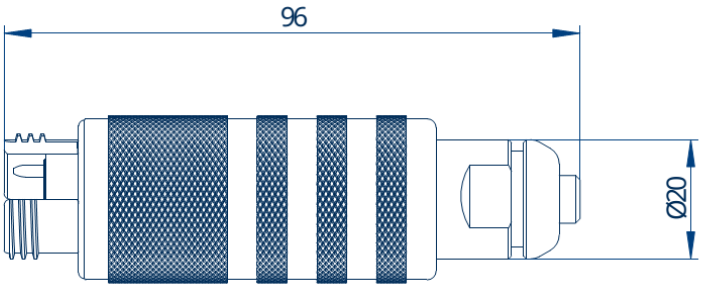
OPTICAL PERFOMANCE	
Insertion Loss SM	0,7 dB @1310 or 1550 nm typical 1,5 dB @1310 or 1550 nm max (tested with RC)
Return Loss SM	> 34 dB @1310 or 1550 nm
Insertion Loss MM	0,7 dB @850 or 1300 nm typical 1,3 dB @850 or 1300 nm max (tested with RC)
Fiber count	2/4
Polarity	On request (Type A)
MECHANICAL PERFOMANCE	
Mating Durability	3000 Cycles
IP Rating	IP68, dive to a depth of 15 m
Free Fall	500 falls on concrete, Severity 1,2 m
Bump	4000 Bumps, 6 directions @ 50g acceleration
Vibration, Sinusoidal	10 - 500 Hz, 3 directions; 0,75 mm amplitude @ 10g acceleration
Corrosion Resistance	up to 340 hours of salt mist
MONTAGE	
Connection type	Hermaphroditic Expanded Beam
Intermateability (MIL-DTL-83526)*	Tyco Pro Beam Jr., Stratos, HMA, Fibreco Junior, Amphenol TACBeam
Cable pull force	up to 2000 N (depending on cable design)
TEMPERATURE RANGE	
Installation	- 55°C +85 °C
Operation	- 57°C +85 °C
Storage	- 55°C +85 °C
IDENTIFICATION	
	Marking with the unique serial number of the product on the package of the product.

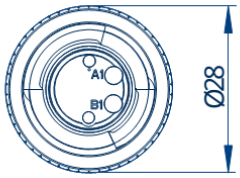
PACKAGING

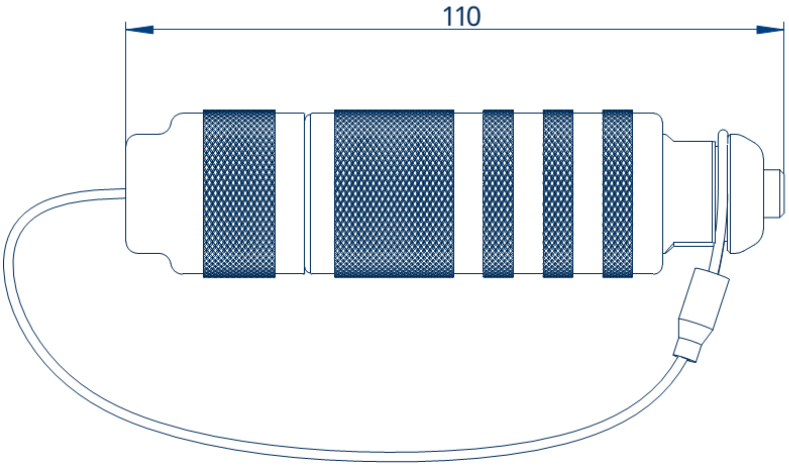
Unique serial number on the product package

* For FL-TAC Mini-series connectors

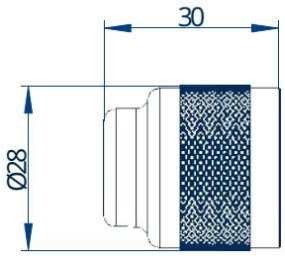
OVERALL DIMENSIONS



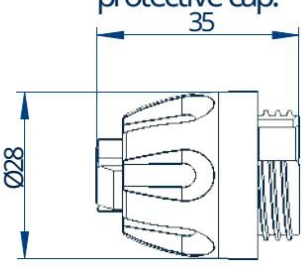




Deaf protective cap:



Hermaphrodite protective cap:



All dimensions are in millimeters