



- Radiation-resistant Fiber optic cable
- PMMA plastic fiber with 2 mm diameter
- FSMA fiber optic connectors
- Available in standard length of 2.5m, 5m, 10m, 20m and 30m. Customized length on request.
- Designed for use with AFT’s high-sensitivity optical arc detectors
- RoHS and REACH compliant

Ordering Code

PFOC-SH - XXX

Variable	Description	Example :
XXX	Cable length in meters x10	PFOC-SH-100 for a cable length of 10m

Parameter	Value
Fiber Type	Step-index fiber
Core Material	PMMA
Fiber Diameter	2 mm ± 0.12 mm
Numerical Aperture	0.5 ($\lambda = 587 \text{ nm}$)
Optical Attenuation	< 0.2 dB/m ($\lambda = 650 \text{ nm}$)
Coating Outer Diameter	3 mm ± 0.15 mm
Coating Material	PE, black, light-proof
Minimum Bending Radius	50 mm
Operational Temperature Range	-20°C to + 70°C
Connector Type	FSMA, 1/4"-36 UNS female thread, see Fig.1
Cable Length Tolerance	-0% +10%

Important Notes:



Warning: Do not pull, twist or bend the cable with a radius less than 50mm, as it can permanently destroy the cable.

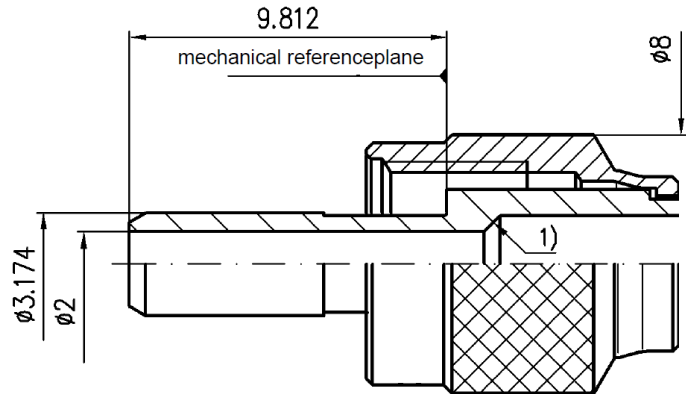


Fig. 1 : Interface dimensions of FSMA Connector, compatible to CECC 86104-801.
All dimensions in mm.

Rev.	Remark	Date	Name
00	Initial	31.05.2016	C. Weil
01	Temperature range	26.10.2016	C. Weil
02	Cable length tolerance added	08.06.2018	C. Weil
	Formal update, new logo	07.03.2022	C. Weil
	Fig. 1 added	09.04.2024	J. Schwarzhorn