Data Sheet

28.10.2026

F-SMA (SMA 905) Connector Assembled to POF Cable





CONNECTOR SIDE A	CABLE CROSS-SECTION	CONNECTOR SIDE B
F-SMA (SMA 905), simplex	**CONNECTOR TYPE**	F-SMA (SMA 905), simplex
IEC 61754-22, DIN EN 61754-22	**COMPLIANCE**	IEC 61754-22, DIN EN 61754-22
Ø 3.175 mm, metal	**FERRULE**	Ø 3.175 mm, metal
Connector with defined air gap	**FEATURES**	Connector with defined air gap
Metal	**HOUSING MATERIAL**	Metal
POF	**FIBER TYPE**	POF
1,040 µm	**FERRULE BORE**	1,040 µm
≤ 0.70 dB (depends on fiber)	**INSERTION LOSS**	≤ 0.70 dB (depends on fiber)
500	**MATING CYCLES**	500
≥ 150 N	**STRAIN RELIEF**	≥ 150 N

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CABLE			
LABELING	I-V2Y(ZN)11Y 1P980/1000 6.0 mm	**OUTER DIAMETER**	6.0 mm
MANUFACTURER	Weinert Fiber Optics GmbH	**TENSILE STRENGTH**	400 N (short-term)
CABLE CORE	1 POF element, PE buffer tube	**OPERATING TEMP.**	−20 … +70 °C
STRAIN RELIEF	Non-metallic (aramid)	**ATTENUATION 650 nm (LASER)**	≤ 160 dB/km
CABLE JACKET	PUR	**ATTENUATION 660 nm (LED)**	≤ 230 dB/km
JACKET COLOR	Red		

PRODUCT DESCRIPTION

- Assembled fiber optic cable with F-SMA (SMA 905) connectors on both ends (POF fiber)
- Typical attenuation ≤ 180 dB/km (650 nm), depends on fiber; distances up to 150 m for data transmission
- Industrial use (indoor), suitable for drag chains

SPECIFICATION

- **Cable length:** on request
- **Connectors per end:** 1 × simplex
- **Temperature range:** −20 … +70 °C (limited by cable)
- **Insertion loss:** ≤ 0.70 dB (depends on fiber)

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