Data Sheet

28.10.2026

F-SMA (SMA 905) Connector Assembled to HCS / PCF 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
HCS / PCF	FIBER TYPE	HCS / PCF
depends on fiber	FERRULE BORE	depends on fiber
≤ 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-V(ZN)H 2x1K200/230	**JACKET COLOR**	Orange (multimode)
MANUFACTURER	Weinert Fiber Optics GmbH	**OUTER DIAMETER**	2.2 × 4.5 mm
CABLE CORE	2 PCF elements	**TENSILE STRENGTH**	300 N (short-term)
FIBER	PCF 200/230 µm	**OPERATING TEMP.**	−20 … +70 °C
STRAIN RELIEF	Non-metallic (aramid)	**ATTENUATION 650 nm (LASER)**	≤ 10 dB/km
CABLE JACKET	Halogen-free, flame-retardant	**ATTENUATION 850 nm (LED)**	≤ 8 dB/km

PRODUCT DESCRIPTION

- Assembled fiber optic cable with F-SMA (SMA 905) connectors on both ends (HCS / PCF fiber)
- Typical attenuation ≤ 8 dB/km (850 nm), depends on fiber
- Flexible installation in harsh industrial environments (indoor), automobile and medical technology

SPECIFICATION

- **Cable length:** on request
- **Connectors per end:** 2 × simplex (one per fiber)
- **Temperature range:** −20 … +70 °C (limited by cable)
- **Insertion loss:** ≤ 0.70 dB (depends on fiber)

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