Data Sheet

28.10.2026

FO4 Connector (IP68) Assembled to Cable





CONNECTOR SIDE A	CABLE CROSS-SECTION	CONNECTOR SIDE B
FO4, 4-fiber plug	CONNECTOR TYPE	FO4, 4-fiber plug
Fischer Connectors SA	MANUFACTURER	Fischer Connectors SA
4	FIBER COUNT	4
selectable (MM / SM / SM APC 8°)	FIBER TYPE	selectable (MM / SM / SM APC 8°)
Ø 1.25 mm, ceramic, axially spring-loaded	FERRULE	Ø 1.25 mm, ceramic, axially spring-loaded
≤ 0.50 dB (MM) / ≤ 0.20 dB (SM)	INSERTION LOSS	≤ 0.50 dB (MM) / ≤ 0.20 dB (SM)
IP68 (mated or closed with dust cap)	PROTECTION CLASS	IP68 (mated or closed with dust cap)
1,000	MATING CYCLES	1,000
3.5 to 9.5 mm	CABLE DIAMETER	3.5 to 9.5 mm
≥ 1,500 N	STRAIN RELIEF	≥ 1,500 N

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CABLE			
MANUFACTURER	WEINERT Fiber Optics GmbH	**WEIGHT**	Approx. 33 kg/km
TYPE	FiberConnect® A-V(ZN)11Y(ZN)11Y 4…	**MIN. BEND RADIUS (STATIC)**	90 mm
PART NO.	84950042#	**MIN. BEND RADIUS (DYNAMIC)**	120 mm (assembly, with tensile strain)
CABLE CORE	4 tight-buffered fibers (TB900L), Ø 0.9 mm	**MAX. TENSILE FORCE**	2000 N
CORE COLORS	Red, yellow, blue, green	**CRUSH RESISTANCE**	1000 N/dm (long term)
STRAIN RELIEF	Aramid	**IMPACT RESISTANCE**	30 impacts, 1 Nm, R = 12.5 mm
INNER JACKET	TPE-U, Ø approx. 3.5 mm	**OPERATING TEMP.**	−40 … +70 °C
OUTER JACKET	TPE-U, wall approx. 0.8 mm	**STORAGE TEMP.**	−55 … +80 °C
OUTER DIAMETER	Approx. 6.0 mm	**INSTALLATION TEMP.**	−5 … +50 °C
JACKET COLOR	Orange (or per customer request)	**FIRE PERFORMANCE**	Flame-retardant, halogen-free

PRODUCT DESCRIPTION

- Pre-assembled 4-fiber cable with FO4 connectors (Fischer Connectors) on both ends
- Flexible cable for moved applications, indoor and outdoor; very good resistance to oil, petrol, acid and leach; UV-resistant outer jacket; flame-retardant (IEC 60332-1-2), halogen-free (IEC 60754-1)
- IP68 protection when mated or closed with dust cap, suitable for harsh environments; black housing

SPECIFICATION

- **Cable length:** on request
- **Connectors per end:** 1 × FO4 (4 fibers)
- **Temperature range:** −40 … +70 °C (operating)
- **Insertion loss:** ≤ 0.50 dB (MM) / ≤ 0.20 dB (SM)
- **Return loss (SM):** ≥ 50 dB (PC) / ≥ 70 dB (APC 8°)

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