Data Sheet

28.10.2026

U-V(ZN)11Y 12x with Eurolens (IP67)





CONNECTOR SIDE A	CABLE CROSS-SECTION	CONNECTOR SIDE B
Eurolens (HMA), plug	CONNECTOR TYPE	Eurolens (HMA), plug
MIL-DTL-83526/20 and /21	COMPATIBLE TO	MIL-DTL-83526/20 and /21
12	FIBER COUNT	12
MM G50/125 · G62.5/125 or SM E9/125 µm	FIBER TYPE	MM G50/125 · G62.5/125 or SM E9/125 µm
≤ 0.50 dB (MM) / ≤ 1.50 dB (SM)	INSERTION LOSS	≤ 0.50 dB (MM) / ≤ 1.50 dB (SM)
IP67 (plugged in)	PROTECTION CLASS	IP67 (plugged in)
3,000	MATING CYCLES	3,000
Ø 30 mm × 158 mm	DIMENSIONS (Ø × L)	Ø 30 mm × 158 mm
≥ 1,500 N	STRAIN RELIEF	≥ 1,500 N

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CABLE			
CONSTRUCTION	Military distribution cable, gel-free	**OUTER JACKET**	Polyurethane, black
FIBER COUNT	12	**STRENGTH MEMBER**	Aramid yarn
FIBER TYPE	selectable (multimode / singlemode)	**OUTER Ø**	7.0 ± 0.3 mm
BUFFER	0.9 mm tight buffer	**WEIGHT**	49 kg/km
FIBER COLORS	TIA/EIA-598 (12 colors)	**TENSILE LOAD (INST. / OPER.)**	1,250 N / 700 N
STANDARD	based on MIL-C-85045	**CRUSH RESISTANCE**	max. 2000 N/dm
MAX. LENGTH	4,200 m	**MIN. BEND RADIUS**	20 × outer Ø (140 mm)
OPTION	Easy-strip buffer	**TEMPERATURE RANGE**	−40 … +70 °C

PRODUCT DESCRIPTION

- Pre-assembled 12-fiber distribution cable with Eurolens expanded beam connectors (HMA) on both ends
- Compact, flexible and fully dielectric military cable with PU jacket, gel-free and easy to strip
- IP67 protection when mated, suitable for harsh environments; black housing (other colors on request)

SPECIFICATION

- **Cable length:** on request
- **Connector size:** Ø 30 mm × 158 mm (incl. bend protection)
- **Temperature range:** −40 … +70 °C
- **Insertion loss:** ≤ 0.50 dB (MM) / ≤ 1.50 dB (SM) per mated pair

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