Data Sheet

28.10.2026

A-V(ZN)11Y 12G50 OM3 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
G50/125 µm (OM3)	FIBER TYPE	G50/125 µm (OM3)
≤ 0.50 dB (typ.)	INSERTION LOSS	≤ 0.50 dB (typ.)
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			
FIBER COUNT	12	**BUFFER MATERIAL**	Hard elastomeric
FIBER TYPE	G50/125 µm, laser-optimized (OM3)	**STRENGTH MEMBER**	Aramid yarn
NUM. APERTURE	0.20	**OUTER Ø**	6.5 mm
ATTENUATION 850/1310 nm	max. 3.5 / 1.5 dB/km	**WEIGHT**	42 kg/km
EMB BANDWIDTH 850/1310 nm	min. 2000 / 500 MHz·km	**TENSILE LOAD (INST. / OPER.)**	2,100 N / 700 N
1 GbE DISTANCE	1000 m / 600 m	**MIN. BEND RADIUS (INST. / OPER.)**	6.5 cm / 3.3 cm
10 GbE DISTANCE	300 m / 300 m	**CRUSH RESISTANCE**	1,800 N/cm
COATING / BUFFER	500 µm / 900 µm tight buffer	**FLEX CYCLES**	2,000 cycles
PROOF TEST	100 kpsi	**OPERATING TEMP.**	−55 … +85 °C
OUTER JACKET	LSZH polyurethane, black	**STORAGE TEMP.**	−70 … +85 °C

PRODUCT DESCRIPTION

- Pre-assembled 12-fiber distribution cable with Eurolens expanded beam connectors (HMA) on both ends
- Rugged Mil-Tac cable with halogen-free PU jacket (LSZH), aramid strength member and tight-buffered fibers
- 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 … +85 °C (operating), −55 … +85 °C (storage)
- **Insertion loss:** ≤ 0.50 dB per mated pair (typ.)

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