



Type 81044/12 Light Weight Connecting leads flexible, 150°C

**high temperature rating, excellent chemical and weathering resistance,
flame retardant, good processability**

High performance wires according to MIL-W-81044/12 meet the most demanding requirements in defense applications and in applications, where low weight and compact design are required.

The dual-wall insulation is made of electron beam crosslinked Polyalken and PVDF. With the primary insulation excellent electrical properties are achieved while the secondary insulation ensures high mechanical and chemical resistance.

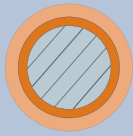
The connecting leads are easy to strip and allow automated, economic processing.

Typical applications: in defense sector for vehicles of all kind, for communication and control equipment, in industrial electronics and electronic equipment. Typical designs: single cores, twisted bundles with or without screen as well as with or without sheath; as element of system and hybrid cables or assemblies.

- MIL approval, QPL listed
- Temperature range -65°C to +150°C
- Voltage rating 600 V
- Dimensions according to MIL-W-81044/12
- Compact and flexible
- Other versions:
 - multicore cable according to MIL-C-27500



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Conductor: stranded, tin plated copper (MIL specification)
 Primary insulation: electron beam crosslinked Polyalken, various colors
 Secondary insulation: PVDF-X

AWG	Cross-section nom.		Conductor construction n x mm Ø	Conductor dia. max. mm	Core dia. mm	R ₂₀ IEC 60228 max. Ω/km	Weight nom. kg/100 m
	mm ²						
28	0.09		7 x 0.13	0.40	0.76 ± 0.05	225.1	0.13
26	0.15		19 x 0.10	0.51	0.87 ± 0.05	135.5	0.19
24	0.25		19 x 0.13	0.61	1.02 ± 0.05	85.96	0.30
22	0.38		19 x 0.16	0.77	1.18 ± 0.05	53.15	0.43
20	0.60		19 x 0.20	0.99	1.40 ± 0.05	32.42	0.65
18	0.93		19 x 0.25	1.23	1.66 ± 0.05	20.44	0.95
16	1.25		19 x 0.29	1.40	1.83 ± 0.05	15.78	1.30
14	1.93		19 x 0.36	1.68	2.27 ± 0.08	10.04	1.97
12	2.97		37 x 0.32	2.22	2.75 ± 0.08	6.63	2.87

Technical Specification

Voltage rating	600 V
Test voltage	1500 V
Dielectric impulse test	8000 V
Temperature range	-65°C to +150°C
Max. conductor temperature at short circuit	+300°C (max. 5 s)
Min. bending radius	3 x D

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 ISO 9001 and ISO 14001

Waiver

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