

Solid wires PTFE MIL-W-16878/4 E (NEMA HP3) 200°C 600 V

Application

Solid wire for the internal wiring of electronic and electrical equipments, of transformer windings, choke- and relay coils, for application in the medical, military and aerospace technology, etc. and in an environment that demands high electrical, thermal and mechanical performances.

Construction

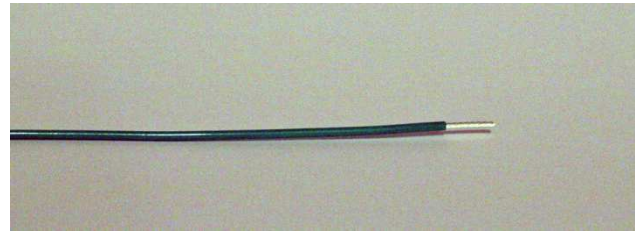
Solid silver plated copper conductors
Insulation Teflon PTFE

Special features

The solid wires have an excellent resistance to chemicals, oil and gasoline. The behaviour against environmental influences such as ozone, UV radiation, humidity and high temperature fluctuations is excellent. The solid wires are non-flammable and environmentally neutral.

Cross section AWG	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
32/1	0.74	0.34	0.90
30/1	0.76	0.52	1.10
28/1	0.84	0.90	1.70
26/1	0.92	1.40	2.30
24/1	1.02	2.20	3.20
22/1	1.14	3.40	4.40
20/1	1.32	6.00	7.00
18/1	1.55	8.30	10.50

Colour code see next page



Technical Properties

Operating voltage	600 V
Temperature range	- 60°C ... + 200°C
Minimum bending radius	6 x outer diameter

Standards / Approvals

MIL-W-16878/4 (Type E)
NEMA HP3

Packaging	Lengths
Spools	152 m, 305 m or different
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AWG	black	blue	gn-ye	brown	grey	red	white	green	orange	violet	yellow	rose
32/1	163940	163941	163942	163943	163944	163946	163947	163948	163949	163950	163951	163952
30/1	163955	163956	163957	163958	163959	163961	163962	163963	163964	163965	163966	163967
28/1	163970	163971	163972	163973	163974	163976	163977	163978	163979	163980	163981	163982
26/1	163985	163986	163987	163988	163989	163991	163992	163993	163994	163995	163996	163997
24/1	164000	164001	164002	164003	164004	164006	164007	164008	164009	164010	164011	164012
22/1	164015	164016	164017	164018	164019	164021	164022	164023	164024	164025	164026	164027
20/1	164030	164031	164032	164033	164034	164036	164037	164038	164039	164040	164041	164042
18/1	164045	164046	164047	164048	164049	164051	164052	164053	164054	164055	164056	164057