

Stranded wires Tefzel ETFE MIL-W-22759/32 (SAE AS22759) 150°C 600 V

Application

Stranded wire in the aerospace and military technology and in other applications, where a reduced weight, reduced diameters and a high flexibility are required.



Construction

Conductor 7-strands respectively 19-strands (AWG 12 37-strands), tinned copper
Insulation cross-linked Tefzel ETFE

Special features

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

Technical Properties

Operating voltage 600 V
Temperature range - 65°C ... + 150°C
Minimum bending radius 6 x outer diameter

Standards / Approvals

MIL-W-22759/32
SAE AS22759/32

Cross section AWG	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
30/7	0.60	0.52	1.00
28/7	0.69	0.90	1.30
26/19	0.81	1.40	2.10
24/19	0.94	2.20	3.20
22/19	1.09	3.40	4.40
20/19	1.27	6.00	7.00
18/19	1.52	8.30	10.50
16/19	1.73	13.00	15.20
14/19	2.16	21.00	23.40
12/37	2.62	33.00	36.50

Packaging	Lengths
Spools	152 m, 305 m or different
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Colour code see next page

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AWG	black	blue	gn-ye	brown	grey	red	white	green	orange	violet	yellow	rose
30/7	152755	152756	152757	152758	152759	152761	152762	152763	152764	152765	152766	152767
28/7	152770	152771	152772	152773	152774	152776	152777	152778	152779	152780	152781	152782
26/19	152785	152786	152787	152788	152789	152791	152792	152793	152794	152795	152796	152797
24/19	152800	152801	152802	152803	152804	152806	152807	152808	152809	152810	152811	152812
22/19	152815	152816	152817	152818	152819	152821	152822	152823	152824	152825	152826	152827
20/19	152830	152831	152832	152833	152834	152836	152837	152838	152839	152840	152841	152842
18/19	152845	152846	152847	152848	152849	152851	152852	152853	152854	152855	152856	152857
16/19	152860	152861	152862	152863	152864	152866	152867	152868	152869	152870	152871	152872
14/19	152875	152876	152877	152878	152879	152881	152882	152883	152884	152885	152886	152887
12/37	152890	152891	152892	152893	152894	152896	152897	152898	152899	152900	152901	152902