

Stranded wires Tefzel ETFE MIL-W-22759/18 (SAE AS22759) 150°C 600 V

Application

Stranded wire in the aerospace and military technology and in other applications, where a reduced weight, tight diameter tolerances and an improved mechanical strength are required.



Construction

Conductor 19-strands (from AWG 12 and AWG 10 37-strands),
Tinned copper
Insulation 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 - 55°C ... + 150°C
Minimum bending radius 6 x outer diameter

Standards / Approvals

MIL-W-22759/18
SAE AS22759/18

Cross section AWG	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
26/19	0.81	1.40	2.20
24/19	0.91	2.20	3.00
22/19	1.09	3.40	4.50
20/19	1.30	6.00	7.20
18/19	1.55	8.30	10.40
16/19	1.78	13.00	13.30
14/19	2.16	21.00	24.30
12/37	2.72	33.00	38.00
10/37	3.40	51.00	60.00

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
26/19	152550	152551	152552	152553	152554	152556	152557	152558	152559	152560	152561	152562
24/19	152565	152566	152567	152568	152569	152571	152572	152573	152574	152575	152576	152577
22/19	152580	152581	152582	152583	152584	152586	152587	152588	152589	152590	152591	152592
20/19	152595	152596	152597	152598	152599	152601	152602	152603	152604	152605	152606	152607
18/19	152610	152611	152612	152613	152614	152616	152617	152618	152619	152620	152621	152622
16/19	152625	152626	152627	152628	152629	152631	152632	152633	152634	152635	152636	152637
14/19	152640	152641	152642	152643	152644	152646	152647	152648	152649	152650	152651	152652
12/37	152655	152656	152657	152658	152659	152661	152662	152663	152664	152665	152666	152667
10/37	152670	152671	152672	152673	152674	152676	152677	152678	152679	152680	152681	152682