

Stranded wires Tefzel ETFE MIL-W-22759/16 (SAE AS 22759) 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 (AWG 10 37-strands, AWG 8 till AWG 4 133-strands, AWG 2 665-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-22759/16
SAE AS22759/16

Cross section AWG	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
24/19	1.14	2.20	3.70
22/19	1.32	3.40	5.30
20/19	1.52	6.00	7.70
18/19	1.80	8.30	11.30
16/19	2.01	13.00	15.80
14/19	2.36	21.00	21.50
12/37	2.90	33.00	36.50
10/37	3.53	51.00	60.00
8/133	5.05	83.00	91.00
6/133	6.35	130.00	144.00
4/133	7.90	222.00	231.00
2/665	9.85	351.00	386.00

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

DESCAFLEX ETFE-150 MIL-W-22759/16

AWG 24 - AWG 2

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AWG	black	blue	gn-ye	brown	grey	red	white	green	orange	violet	yellow	rose
24/19	154510	154511	154512	154513	154514	154516	154517	154518	154519	154520	154521	154522
22/19	154525	154526	154527	154528	154529	154531	154532	154533	154534	154535	154536	154537
20/19	154540	154541	154542	154543	154544	154546	154547	154548	154549	154550	154551	154552
18/19	154555	154556	154557	154558	154559	154561	154562	154563	154564	154565	154566	154567
16/19	154570	154571	154572	154573	154574	154576	154577	154578	154579	154580	154581	154582
14/19	154585	154586	154587	154588	154589	154591	154592	154593	154594	154595	154596	154597
12/37	154600	154601	154602	154603	154604	154606	154607	154608	154609	154610	154611	154612
10/37	154615	154616	154617	154618	154619	154621	154622	154623	154624	154625	154626	154627
8/133	154630	154631	154632	154633	154634	154636	154637	154638	154639	154640	154641	154642
6/133	154645	154646	154647	154648	154649	154651	154652	154653	154654	154655	154656	154657
4/133	154660	154661	154662	154663	154664	154666	154667	154668	154669	154670	154671	154672
2/665	154675	154676	154677	154678	154679	154681	154682	154683	154684	154685	154686	154687