

Stranded wires Tefzel ETFE MIL-W-22759/35 (SAE AS22759) 200°C 600 V

Application

Stranded wire with a dual layer insulation in the aerospace and military technology and in other applications, where a reduced weight, reduced diameters and a high flexibility with an improved mechanical strength are required.



Construction

Conductor 19-strands, silver plated copper alloy,
Dual layer 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.

| Cross section AWG | Overall-Ø ca. mm | Copper kg/km | Weight kg/km |
|----------------------|---------------------|-----------------|-----------------|
| 26/19 | 1.02 | 1.40 | 2.80 |
| 24/19 | 1.14 | 2.20 | 3.70 |
| 22/19 | 1.27 | 3.40 | 5.30 |
| 20/19 | 1.47 | 6.00 | 7.70 |

Technical Properties

| | |
|------------------------|--------------------|
| Operating voltage | 600 V |
| Temperature range | - 65°C ... + 200°C |
| Minimum bending radius | 6 x outer diameter |

Standards / Approvals

MIL-W-22759/35
SAE AS22759/35

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

DESCAFLEX ETFE-200 MIL-W-22759/35

AWG 26 - AWG 20

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| AWG | black | blue | gn-ye | brown | grey | red | white | green | orange | violet | yellow | rose |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 26/19 | 154910 | 154911 | 154912 | 154913 | 154914 | 154916 | 154917 | 154918 | 154919 | 154920 | 154921 | 154922 |
| 24/19 | 154925 | 154926 | 154927 | 154928 | 154929 | 154931 | 154932 | 154933 | 154934 | 154935 | 154936 | 154937 |
| 22/19 | 154940 | 154941 | 154942 | 154943 | 154944 | 154946 | 154947 | 154948 | 154949 | 154950 | 154951 | 154952 |
| 20/19 | 154955 | 154956 | 154957 | 154958 | 154959 | 154961 | 154962 | 154963 | 154964 | 154965 | 154966 | 154967 |