

# SAE-AS22759 Extruded ETFE

*Replaces MIL-W-22759/16, /17, /18, /19*

## Construction

Stranded tin plated copper or silver plated high strength alloy  
Extruded ETFE

## Ratings/Approvals

Printed in accordance with SAE-AS22759  
150° C 600 Volts

|                | AS22759/16      | AS22759/17      | AS22759/18      | AS22759/19      |
|----------------|-----------------|-----------------|-----------------|-----------------|
| Conductor Type | TPC             | SPA             | TPC             | SPA             |
| AWG/Stranding  | Mils/OD lbs/mft | Mils/OD lbs/mft | Mils/OD lbs/mft | Mils/OD lbs/mft |
| 26 19/38       | -               | 11/.040" 2      | 7/.032" 2       | 6/.032" 2       |
| 24 19/36       | 15/.045" 3      | 11/.045" 3      | 7/.036" 2       | 6/.036" 2       |
| 22 19/34       | 15/.052" 4      | 11/.052" 4      | 7/.043" 3       | 6/.043" 3       |
| 20 19/32       | 15/.060" 5      | 11/.060" 5      | 7/.051" 5       | 6/.051" 5       |
| 18 19/30       | 12/.071" 8      | -               | 7/.061" 6       | -               |
| 16 19/29       | 13/.079" 10     | -               | 9/.070" 8       | -               |
| 14 19/27       | 13/.093" 15     | -               | 9/.085" 14      | -               |
| 12 37/28       | 14/.114" 22     | -               | 11/.107" 21     | -               |
| 10 37/26       | 15/.139" 33     | -               | 13/.134" 33     | -               |
| 8 133/29       | 18/.199" 62     | -               | -               | -               |
| 6 133/27       | 23/.250" 97     | -               | -               | -               |
| 4 133/25       | 27/.312" 150    | -               | -               | -               |
| 2 665/30       | 29/.388" 250    | -               | -               | -               |
| 1 817/30       | 31/.431" 300    | -               | -               | -               |
| 0 1045/30      | 32/.479" 370    | -               | -               | -               |
| 00 1330/30     | 44/.546" 480    | -               | -               | -               |

|                | DC Resistance Ohms/mft |      |
|----------------|------------------------|------|
| AWG/Stranding  |                        |      |
| Conductor Type | TPC                    | SPA  |
| 26 19/38       | 41.3                   | 44.8 |
| 24 19/36       | 26.2                   | 28.4 |
| 22 19/34       | 16.2                   | 17.5 |
| 20 19/32       | 9.9                    | 10.7 |
| 18 19/30       | 6.2                    | -    |
| 16 19/29       | 4.8                    | -    |
| 14 19/27       | 3.1                    | -    |
| 12 37/28       | 2.0                    | -    |
| 10 37/26       | 1.3                    | -    |
| 8 133/29       | 0.7                    | -    |
| 6 133/27       | 0.4                    | -    |
| 4 133/25       | 0.3                    | -    |
| 2 665/30       | 0.2                    | -    |
| 1 817/30       | 0.16                   | -    |
| 0 1045/30      | 0.12                   | -    |
| 00 1330/30     | 0.09                   | -    |

Additional constructions available - check with the factory for details

All figures referenced are nominal