

# 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/.053"   | 3       | 11/.045"   | 3       | 7/.036"    | 2       | 6/.036"    | 2       |
| 22 19/34       | 15/.060"   | 4       | 11/.052"   | 4       | 7/.043"    | 3       | 6/.043"    | 3       |
| 20 19/32       | 15/.068"   | 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