



Primary Wire

General Purpose Wiring for OEM & Transportation Applications

Prestolite Wire® Brand Primary Wire is ideal for general purpose wiring for passenger cars and light trucks, agricultural tractors, boats, buses, agricultural tractors, construction, locomotive and off-road vehicles.

General Cable's Prestolite Wire single, duplex and bonded parallel/multi-conductor primary wire is available in a variety of gauge sizes and colors with premium-grade PVC insulation and can be shipped on OEM length reels.

Since 1911, Prestolite Wire® has been engineering a complete line of wire and cable, electrical components, wire harnesses and fully assembled electronic modules and systems to serve the global transportation market and the automotive aftermarket. Learn more at www.prestolitewire.com.

Applications

- Intended as general purpose wiring for use at 60 volts DC or less in a surface vehicle's electrical system in areas such as:
 - Fuel Tanks
 - Transmissions
 - Engines
 - Steering Wheels
 - Sliding Door Sensors
 - Electronic Fan Drives
 - Fuse Links
 - Oxygen Sensors
 - Cabins/Chassis
 - Instrument Panels
 - Air Bags
 - Seat Pre-Tensioners
 - Speakers
 - Knock Sensors
 - SAE, ISO, JASO and DIN Wire

Features

- Thin and ultra-thin wall design construction
- Excellent heat-resistant insulation
- Flexible conductor stranding with high-flex life
- Impervious to oil, grease and diesel fumes
- High abrasion-resistant insulation
- High-temperature lead- and heavy metal-free insulation
- Multi-conductor cable construction
- Dual wall design construction
- Lightweight and small bundle sizes

Compliances

Meets and exceeds the following requirements:

- Conforms to SAE J1128 Type GPT
- RoHS Complaint



Primary Wire

ISO 6722 Class A, B, C & D Thick Wall



SPECIFICATIONS

| mm ² | NUMBER OF STRANDS | INSULATION THICKNESS | | MAXIMUM O.D. | |
|-----------------|-------------------|----------------------|-------|--------------|--------|
| | | in | mm | in | mm |
| 0.5 | 19 | 0.60 | 15.24 | 2.30 | 58.42 |
| 0.75 | 19 | 0.60 | 15.24 | 2.50 | 63.50 |
| 1 | 19 | 0.60 | 15.24 | 2.70 | 68.58 |
| 1.5 | 30 | 0.60 | 15.24 | 3.00 | 76.20 |
| 2 | 19 | 0.60 | 15.24 | 3.30 | 83.82 |
| 2.5 | 50 | 0.70 | 17.78 | 3.60 | 91.44 |
| 3 | 19 | 0.70 | 17.78 | 4.10 | 104.14 |
| 4 | 56 | 0.80 | 20.32 | 4.40 | 111.76 |
| 5 | 19 | 0.80 | 20.32 | 4.90 | 124.46 |
| 6 | 84 | 0.80 | 20.32 | 5.00 | 127.00 |
| 10 | 75 | 1.00 | 25.40 | 6.50 | 165.10 |

ISO 6722 Class A, B, C & D Thin Wall



SPECIFICATIONS

| mm ² | NUMBER OF STRANDS | INSULATION THICKNESS | | MAXIMUM O.D. | |
|-----------------|-------------------|----------------------|-------|--------------|--------|
| | | in | mm | in | mm |
| 0.5 | 19 | 0.28 | 7.11 | 1.70 | 43.18 |
| 0.75 | 19 | 0.30 | 7.62 | 1.90 | 48.26 |
| 1 | 19 | 0.30 | 7.62 | 2.10 | 53.34 |
| 1.5 | 30 | 0.30 | 7.62 | 2.40 | 60.96 |
| 2 | 19 | 0.35 | 8.89 | 2.80 | 71.12 |
| 2.5 | 50 | 0.35 | 8.89 | 3.00 | 76.20 |
| 3 | 19 | 0.40 | 10.16 | 3.40 | 86.36 |
| 4 | 56 | 0.40 | 10.16 | 3.80 | 96.52 |
| 5 | 19 | 0.40 | 10.16 | 4.20 | 106.68 |
| 6 | 84 | 0.40 | 10.16 | 4.30 | 109.22 |
| 10 | 75 | 0.48 | 12.19 | 6.00 | 152.40 |

Chrysler Specification MS-9502



SPECIFICATIONS

| AWG | STRANDING | INSULATION THICKNESS | | MAXIMUM O.D. | |
|-----|------------|----------------------|------|--------------|------|
| | | in | mm | in | mm |
| 20 | 7 x 28 | 0.016 | 0.41 | 0.070 | 1.78 |
| 18 | 19 x .0092 | 0.016 | 0.41 | 0.078 | 1.98 |
| 16 | 19 x 29 | 0.016 | 0.41 | 0.088 | 2.24 |
| 14 | 19 x 27 | 0.016 | 0.41 | 0.103 | 2.62 |
| 12 | 19 x 25* | 0.018 | 0.46 | 0.128 | 3.25 |
| 10 | 19 x 23* | 0.021 | 0.53 | 0.156 | 3.96 |

*Flexible stranding available for 12 AWG and 10 AWG.

Chrysler Specification MS-9673



SPECIFICATIONS

| AWG | STRANDING | INSULATION THICKNESS | | MAXIMUM O.D. | |
|-----|-------------|----------------------|------|--------------|------|
| | | in | mm | in | mm |
| 18 | 19 x .0092* | 0.037 | 0.94 | 0.133 | 3.38 |
| 16 | 19 x 29* | 0.040 | 1.02 | 0.148 | 3.76 |
| 14 | 19 x 27* | 0.040 | 1.02 | 0.165 | 4.19 |
| 12 | 19 x 25* | 0.046 | 1.17 | 0.201 | 5.11 |
| 10 | 105 x 30 | 0.048 | 1.22 | 0.226 | 5.74 |

*Flexible stranding available.

Ford Specification WSB-M1L134-A1

Chrysler Specification MS-9532



SPECIFICATIONS

| AWG | STRANDING | INSULATION THICKNESS | | MAXIMUM O.D. | |
|-----|------------|----------------------|------|--------------|------|
| | | in | mm | in | mm |
| 22 | 7 x 30 | 0.010 | 0.25 | 0.050 | 1.27 |
| 20 | 7 x 28 | 0.010 | 0.25 | 0.058 | 1.47 |
| 18 | 19 x .0092 | 0.010 | 0.25 | 0.066 | 1.68 |
| 16 | 19 x 29 | 0.010 | 0.25 | 0.077 | 1.96 |
| 14 | 19 x 27 | 0.012 | 0.30 | 0.095 | 2.41 |

Ford Specification ESA-M1L77-A

Ford Specification ESB-M177-A2 (Anti-Fogging)



SPECIFICATIONS

| AWG | STRANDING | INSULATION THICKNESS | | MAXIMUM O.D. | |
|-----|-----------|----------------------|------|--------------|------|
| | | in | mm | in | mm |
| 20 | 41 x 36 | 0.020 | 0.51 | 0.078 | 1.98 |
| 18 | 65 x 36 | 0.023 | 0.58 | 0.087 | 2.21 |
| 16 | 65 x 34 | 0.023 | 0.58 | 0.102 | 2.59 |
| 14 | 65 x 32 | 0.023 | 0.58 | 0.122 | 3.10 |

Ford Specification WSS-M1L135-A1



SPECIFICATIONS

| AWG | STRANDING | INSULATION THICKNESS | | MAXIMUM O.D. | |
|-----|------------|----------------------|------|--------------|------|
| | | in | mm | in | mm |
| 22 | 7 x 30 | 0.10 | 2.54 | 0.050 | 1.27 |
| 20 | 7 x 28 | 0.10 | 2.54 | 0.058 | 1.47 |
| 18 | 19 x .0092 | 0.10 | 2.54 | 0.066 | 1.68 |
| 16 | 19 x 29 | 0.10 | 2.54 | 0.077 | 1.96 |
| 14 | 19 x 27 | 0.12 | 3.05 | 0.095 | 2.41 |

Primary Wire

SAE J1128, Type GPT



SPECIFICATIONS

| AWG | STRANDING | INSULATION THICKNESS | | NOMINAL O.D. | |
|-----|-----------|----------------------|------|--------------|------|
| | | in | mm | in | mm |
| 20 | 7 x 28 | 0.023 | 0.58 | 0.084 | 2.13 |
| 18 | 16 x 30 | 0.023 | 0.58 | 0.092 | 2.34 |
| 16 | 19 x 29 | 0.023 | 0.58 | 0.103 | 2.62 |
| 14 | 19 x 27 | 0.023 | 0.58 | 0.117 | 2.97 |
| 12 | 19 x 25 | 0.026 | 0.66 | 0.142 | 3.61 |
| 10 | 19 x 23 | 0.031 | 0.79 | 0.175 | 4.45 |

SAE J1128, Type GXL



SPECIFICATIONS

| AWG | STRANDING | INSULATION THICKNESS | | NOMINAL O.D. | |
|-----|-----------|----------------------|------|--------------|------|
| | | in | mm | in | mm |
| 20 | 7 x 28 | 0.023 | 0.58 | 0.084 | 2.13 |
| 18 | 16 x 30 | 0.023 | 0.58 | 0.091 | 2.31 |
| 16 | 19 x 29 | 0.023 | 0.58 | 0.106 | 2.69 |
| 14 | 19 x 27 | 0.023 | 0.58 | 0.117 | 2.97 |
| 12 | 19 x 25 | 0.026 | 0.66 | 0.143 | 3.63 |
| 10 | 19 x 23 | 0.031 | 0.79 | 0.175 | 4.45 |

SAE J1128, Type HDT



SPECIFICATIONS

| AWG | STRANDING | INSULATION THICKNESS | | NOMINAL O.D. | |
|-----|-----------|----------------------|------|--------------|------|
| | | in | mm | in | mm |
| 20 | 7 x 28 | 0.023 | 0.58 | 0.036 | 0.91 |
| 18 | 16 x 30 | 0.023 | 0.58 | 0.037 | 0.94 |
| 16 | 19 x 29 | 0.023 | 0.58 | 0.040 | 1.02 |
| 14 | 19 x 27 | 0.023 | 0.58 | 0.041 | 1.04 |
| 12 | 19 x 25 | 0.026 | 0.66 | 0.046 | 1.17 |
| 10 | 19 x 23 | 0.031 | 0.79 | 0.046 | 1.17 |

SAE J1128, Type HTS (Fusible Links - SAE J156a)



SPECIFICATIONS

| AWG | STRANDING | INSULATION THICKNESS | | NOMINAL O.D. | |
|-----|-----------|----------------------|------|--------------|------|
| | | in | mm | in | mm |
| 20 | 7 x 28* | 0.037 | 0.94 | 0.116 | 2.95 |
| 18 | 16 x 30* | 0.037 | 0.94 | 0.127 | 3.23 |
| 16 | 19 x 29* | 0.041 | 1.04 | 0.139 | 3.53 |
| 14 | 19 x 27* | 0.041 | 1.04 | 0.155 | 3.94 |
| 12 | 19 x 25** | 0.046 | 1.17 | 0.184 | 4.67 |
| 10 | 19 x 23** | 0.046 | 1.17 | 0.213 | 5.41 |
| 8 | 19 x 21** | 0.056 | 1.42 | 0.258 | 6.55 |
| 6 | 37 x 21** | 0.062 | 1.57 | 0.321 | 8.15 |

* Tinned copper conductors.
 ** Bare copper conductors with paper sleeve.
 + Includes Mylar separator.

SAE J1128, Type SXL



SPECIFICATIONS

| AWG | STRANDING | INSULATION THICKNESS | | NOMINAL O.D. | |
|-----|-----------|----------------------|------|--------------|------|
| | | in | mm | in | mm |
| 20 | 7 x 28 | 0.029 | 0.74 | 0.096 | 2.44 |
| 18 | 16 x 30 | 0.030 | 0.76 | 0.107 | 2.72 |
| 16 | 19 x 29 | 0.032 | 0.81 | 0.120 | 3.05 |
| 14 | 19 x 27 | 0.035 | 0.89 | 0.141 | 3.58 |
| 12 | 19 x 25 | 0.037 | 0.94 | 0.163 | 4.14 |
| 10 | 19 x 23 | 0.041 | 1.04 | 0.195 | 4.95 |
| 8 | 19 x 21 | 0.043 | 1.09 | 0.231 | 5.87 |

SAE J1128, Type TXL



SPECIFICATIONS

| AWG | STRANDING | INSULATION THICKNESS | | NOMINAL O.D. | |
|------|----------------------------|----------------------|------|--------------|------|
| | | in | mm | in | mm |
| 22 | 7 x 30 | 0.016 | 0.41 | 0.062 | 1.57 |
| 20 | 7 x 28 | 0.016 | 0.41 | 0.070 | 1.78 |
| 18++ | 19 x .0092 (or) 16 x 30 | 0.016 | 0.41 | 0.078 | 1.98 |
| 16 | 19 x 29 | 0.016 | 0.41 | 0.088 | 2.24 |
| 14 | 19 x 27 | 0.016 | 0.41 | 0.103 | 2.62 |
| 12 | 19 x 25 | 0.018 | 0.46 | 0.128 | 3.25 |
| 10** | 19 x 23 | 0.021 | 0.53 | 0.156 | 3.96 |
| 8**+ | 19 x 21 | 0.022 | 0.56 | 0.191 | 4.85 |

* Not available for Chrysler MS-8288.
 ** Available with or without a separator.
 + Available for SAE J1128 and Chrysler MS-8288 only.
 ++ Available with either 16 or 19 bare or tinned strands to meet SAE J1128 and Ford ESB-M1L123-A.

SAE J1128, Type TWP



SPECIFICATIONS

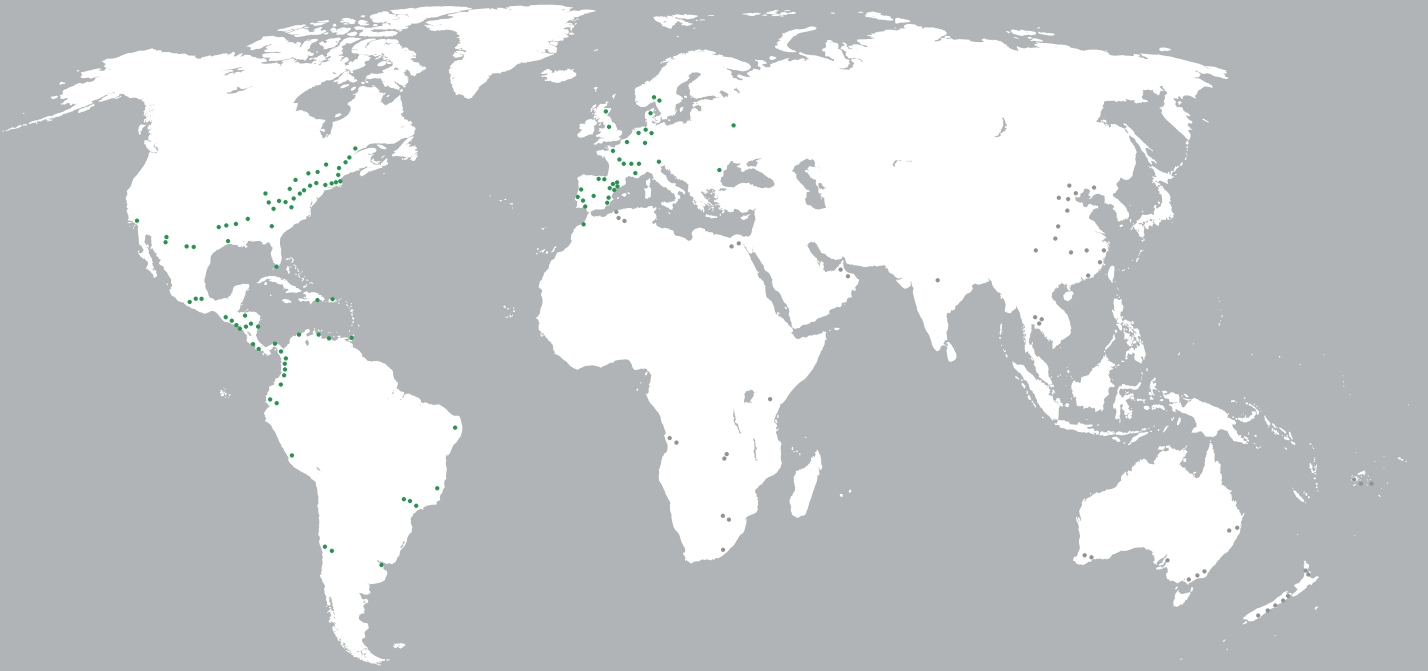
| AWG | STRANDING | INSULATION THICKNESS | | NOMINAL O.D. | |
|-----|------------|----------------------|------|--------------|------|
| | | in | mm | in | mm |
| 22 | 7 x 30 | 0.016 | 0.41 | 0.062 | 1.57 |
| 20 | 7 x 28 | 0.016 | 0.41 | 0.070 | 1.78 |
| 18 | 19 x .0092 | 0.016 | 0.41 | 0.078 | 1.98 |
| 16 | 19 x 29 | 0.016 | 0.41 | 0.089 | 2.26 |
| 14 | 19 x 27 | 0.016 | 0.41 | 0.103 | 2.62 |
| 12 | 19 x 25 | 0.018 | 0.46 | 0.126 | 3.20 |
| 10 | 19 x 23 | 0.021 | 0.53 | 0.155 | 3.94 |



General Cable

ONE COMPANY
CONNECTING THE WORLD

Global Reach



General Cable, a leading wire and cable innovator for over 170 years, serves customers through a network of 38 manufacturing facilities in our core markets and has worldwide sales representation and distribution. The Company is dedicated to the production of high-quality aluminum, copper and fiber optic wire and cable and systems solutions for the energy, construction, industrial, specialty and communications sectors. In addition to our strong brand recognition and strengths in technology and manufacturing, General Cable is also competitive in such areas as distribution and logistics, marketing, sales and customer service. This combination enables General Cable to better serve its customers as they expand into new geographic markets.



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