

**Ratings**

Voltage: 60 V  
 Temperature: -40~125 °C

**Conductor**

Conductor count: 1  
 Gauge: 24 AWG 0.23 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size: Ø0.2 mm x 7  
 Resistance at 20 °C: 87.5 Ω /km max

**Insulator**

Material: XLPE  
 Color: gray  
 Diameter: Ø 1.4 ±0.10 mm  
 Nominal thickness: 0.4 mm

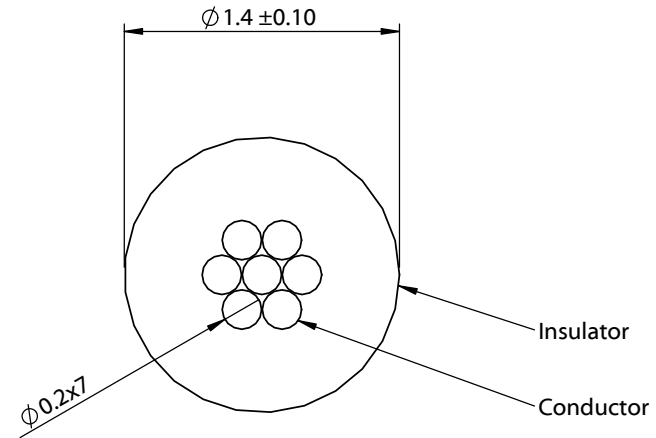
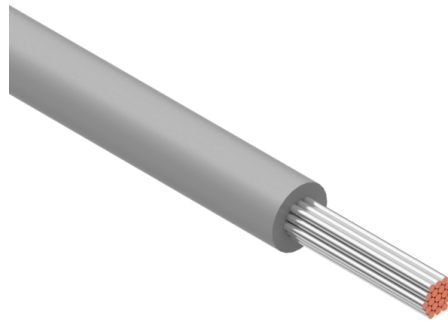
**Wire marking:** TXL AUTOMOTIVE PRIMARY WIRE 24 AWG XLPE  
 125°C SAE J1128 TENSILITY

**Mechanical Tests**

After aging at 155±3°C for 7 days  
 Minimum tensile strength 10 MPa  
 Minimum elongation 150% original  
 Dielectric test: 1000 Vrms for 1 minute without breakdown  
 Flammability: SAE J1128 Resistance to Flame Propagation  
 Ozone resistance: 192 hrs @ 65°C, 100 pphm, no cracks or splits

**Fluid Compatibility Tests** (Name: fluid, test temp (°C))

Engine oil: ASTM D471 IRM-902, 50±3  
 Gasoline: ASTM D471 Ref Fuel C, 23±5  
 Ethanol: 85% ethanol + 15% ASTM D471, Ref Fuel C, 23±5  
 Diesel fuel: 90% ASTM D471 IRM 903 +10% p-xylene, 23±5  
 Power steering: ASTM D471 IRM 903, 50±3  
 Auto trans: Dexron VI SAE J311, 50±3  
 Engine coolant: 50% dist. water + 50% ethylene glycol, 50±3  
 Battery acid: H2SO4 spec. gravity = 1.26±0.005, 23±5



|           |            |                 |  |  |   |
|-----------|------------|-----------------|--|--|---|
| Revision: | Date:      | Description:    | Prepared:  | Notes:<br>RoHS compliant<br>Halogen free   | <h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118<br/>         fax 1.541.323.4202 web tensility.com</p> |
| A         | 12/10/2021 | Initial release | Verified:  |  |   |
|           |            |                 | Dimensions are in millimeters.<br>Tolerances:<br>X: ± 0.5 mm<br>X.X: ± 0.3 mm<br>X.XX: ± 0.05 mm | Description:   | Size: Part number:  |
|           |            |                 |  | Wire, hook-up, TS, 24 AWG, TXL automotive SAE J1128, 60V, 125C, 1.4 mm, XLPE, gray | A 30-02230  |
|           |            |                 |  | Scale: 26:1  |   |

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