

**Ratings**

Voltage: 300 V  
 Temperature: -25 to 80 °C  
 Flammability: VW-1

**Conductor**

Conductor count: 8  
 Gauge: 20 AWG 0.52 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size: Ø 0.16 mm x 26

**Insulator**

Material: PVC  
 Color: purple, orange, green, blue, yellow, white, black, red  
 Diameter: Ø 1.55 ±0.10 mm  
 Nominal thickness: 0.38 mm

**Filler**

Material: cotton rope

**Drain**

Stranding: Ø 0.16 mm x 26, 20 AWG

**Shield**

Type: foil + braided  
 Material: aluminum mylar, tinned copper strands  
 Stranding: Ø0.127 mm  
 Coverage: 80% minimum

**Outer jacket**

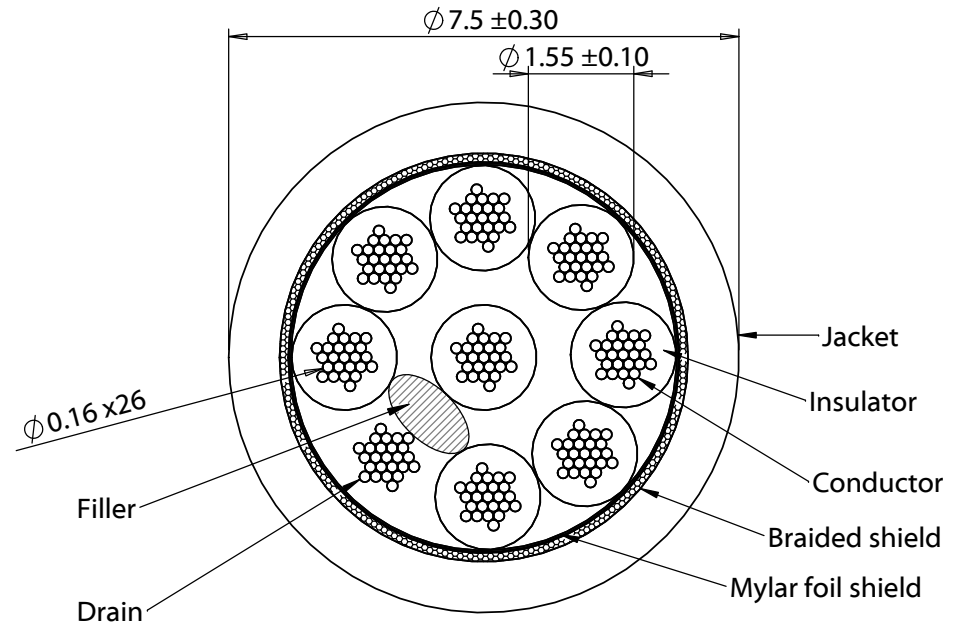
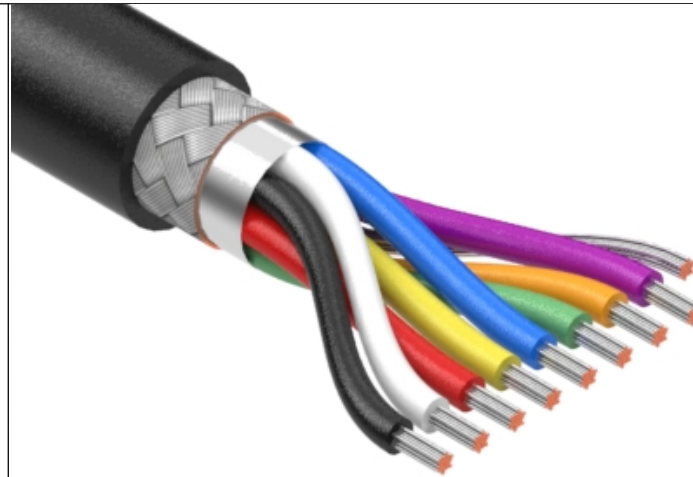
Material: PVC, 80A  
 Color: black  
 Diameter: Ø 7.5 ±0.30 mm  
 Nominal thickness: 0.8 mm

**Wire marking:** E339579 UL AWM STYLE 2464 20 AWG 80°C  
 300V VW-1 --- cUL AWM I/II A 80°C 300V FT1 TENSILITY

**Tests**

Voltage test: 300 V  
 Spark test: 3.0 kV  
 Max resistance at 20 °C: 36.7 ohm/km  
 Insulation tensile strength: 2.11 kgf/mm<sup>2</sup>  
 Jacket tensile strength: 1.05 kgf/mm<sup>2</sup>  
 After aging at 113 ±2 °C for 7 days:  
 Minimum tensile strength 70 % original  
 Minimum elongation 65 % original  
 Heat shock: 121 ±1 °C /1 hour, no observed degradation  
 Deformation: 121 ±1 °C /1 hour, ≤ 50 %  
 Cold bend: -10 ±2 °C /1 hour, no observed cracking  
 Dielectric test: 2000 Vac for 1 minute without breakdown

**Use:** Internal wiring or external interconnection of electronic equipment.



|           |            |                 |  |  |   |
|-----------|------------|-----------------|--|--|---|
| Revision: | Date:      | Description:    | Prepared:  | Notes:<br>RoHS and REACH compliant   | <b>TENSILITY</b><br>tel 1.541.323.3228 800 877.670.7118<br>fax 1.541.323.4202 web tensility.com |
| A         | 04/05/2018 | 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, 8C TS, 20 AWG, UL2464, 300V, 80C, 7.5 mm, shielded, VW-1, PVC, black | A 30-01075  |
|           |            |                 |  | Scale: 9:1   | Sheet 1 of 1  |

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