

**Ratings**  
 Voltage: 150 V  
 Temperature: -40~70 °C

**Conductor**  
 Conductor count: 7  
 Gauge: 32 AWG 0.04 mm<sup>2</sup>  
 Material: Tinned copper strands  
 Strand size:  $\varnothing 0.05 \times 19$   
 Resistance at 20 °C: 590 $\Omega$  /km max

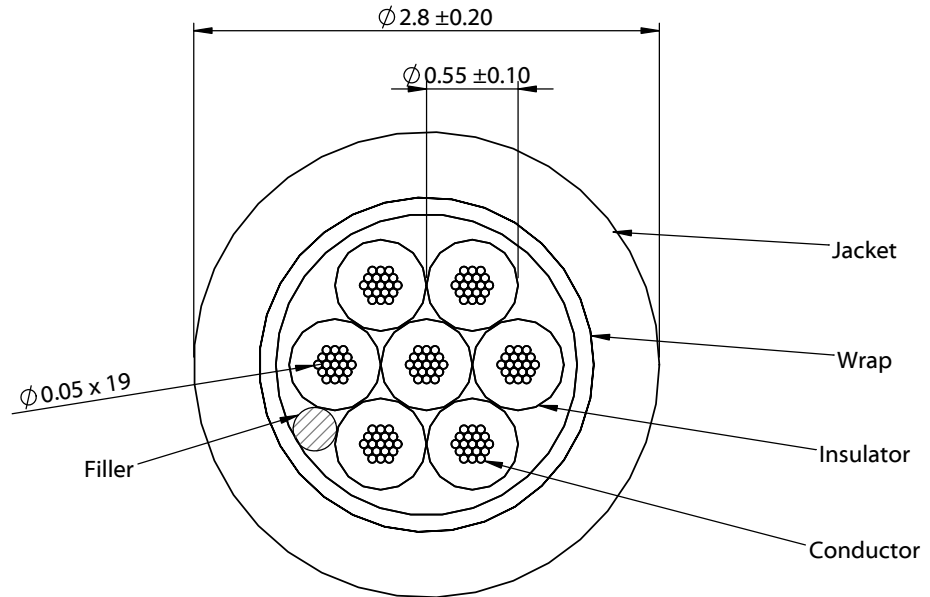
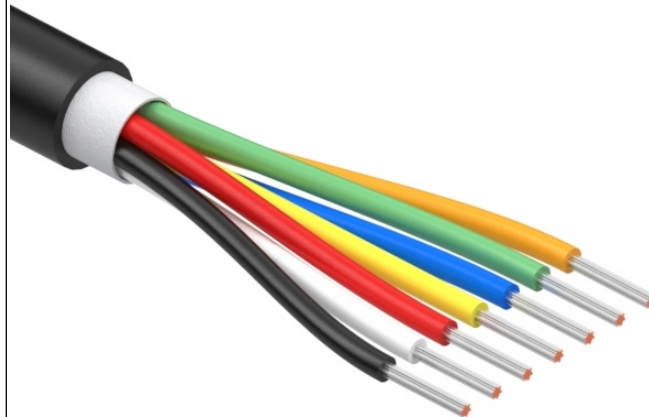
**Insulator**  
 Material: HDPE  
 Color: white, black, red, yellow, blue, green, orange  
 Diameter:  $\varnothing 0.55 \pm 0.10$  mm  
 Nominal thickness: 0.15 mm  
 Resistance at 20 °C: 100 M $\Omega$  /km min

**Wrap**  
 Material: cotton paper

**Filler**  
 Material: aramid fiber

**Outer jacket**  
 Material: TPU  
 Color: black  
 Diameter:  $\varnothing 2.8 \pm 0.20$  mm  
 Nominal thickness: 0.50 mm

**Tests**  
 Tensile strength: 15 kgf min  
 Dielectric test: 1500 V dc for 1 minute without breakdown  
 Bend test at 200 g,  $\pm 60^\circ$ , 30 cycles /min: 15,000 cycle minimum



Revision:	Date:	Description:
A	8/23/2022	Initial release

Prepared:  
**PB**  
Digitally signed by PB  
 Date: 2022.09.20  
 09:49:55 -07'00'

Verified:  
**MP**  
Digitally signed by MP  
 Date: 2022.09.21  
 08:21:51 -07'00'

Dimensions are in millimeters.  
 Tolerances:  
 X:  $\pm 0.5$  mm  
 X.X:  $\pm 0.3$  mm  
 X.XX:  $\pm 0.05$  mm

Notes:  
 RoHS compliant  
 Jacket meets ISO 10993 Biological Compatibility  
 Phthalate and halogen free  
 Function test: no open, no short, no intermittent

Description:  
 Wire, 7C TS, 32 AWG, 150V, 70C, 2.8 mm, TPU, 75A, WBL

**TENSILITY**  
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 fax 1.541.323.4202 web tensility.com

Size: A Part number: 30-02677  
 Scale: 22:1 Sheet 1 of 1