

Ratings

Voltage: 600 V
 Temperature: -40~105 °C
 Flammability: FT2

Conductor

Conductor count: 3
 Gauge: 20 AWG 0.52 mm²
 Material: tinned copper strands
 Strand size: $\varnothing 0.16 \times 26$
 Resistance at 20 °C: 36.7 Ω /km max

Insulator

Material: mPPE
 Color: red, black, white
 Diameter: $\varnothing 1.5 \pm 0.10$ mm
 Average thickness: 0.26 mm
 Resistance at 20 °C: 100 M Ω /km min

Wrap

Material: cotton paper

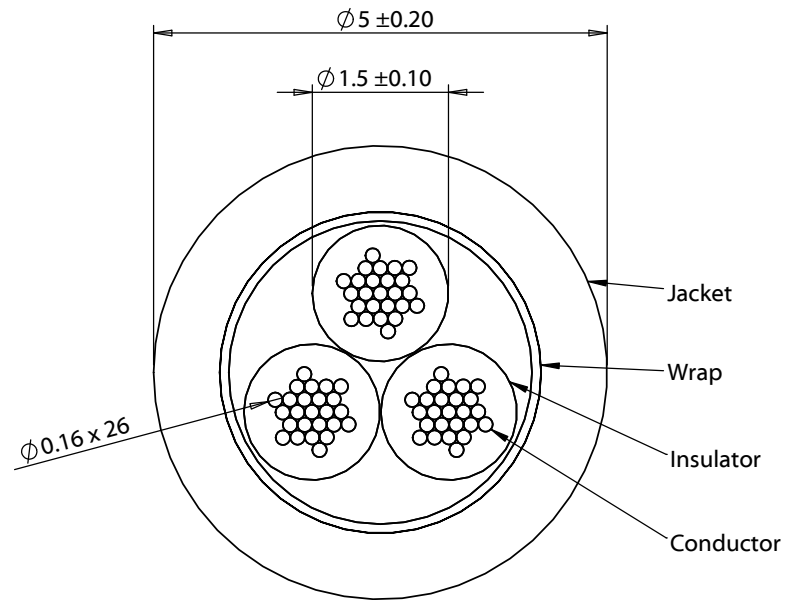
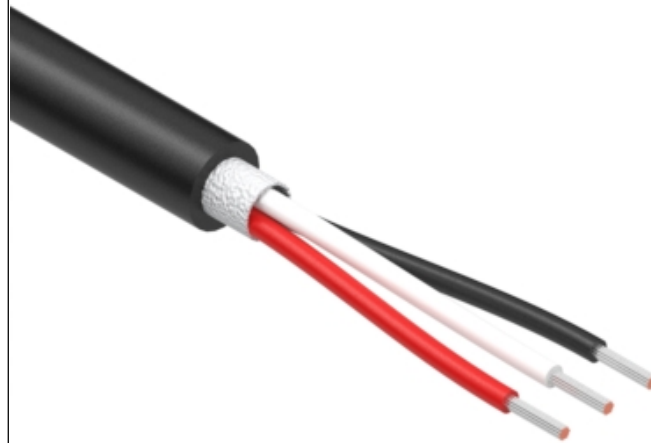
Outer jacket

Material: mPPE, 85A
 Color: black
 Diameter: $\varnothing 5 \pm 0.20$ mm
 Average thickness: 0.83 mm

Wire marking: E339579 UL AWM STYLE 21509 20 AWG 105°C
 600V --- cUL AWM I A 105°C 600V FT2 TENSILITY

Bend radius

Minimum: 6 times diameter (30.0 mm)



Revision:	Date:	Description:
A	5/5/2021	Initial release

Prepared: AW <small>Digitally signed by AW Date: 2021.05.06 12:38:59 -07'00'</small>
Verified: JC <small>Digitally signed by JC Date: 2021.05.11 12:18:37 -07'00'</small>
Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm

Notes: RoHS compliant Phthalate and halogen free
Description: Wire, 3C TS, 20 AWG, 21509, 600V, 105C, 5.0 mm, FT2, mPPE

TENSILITY	
<small>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</small>	
Size: A	Part number: 30-01983
Scale: 12:1	
Sheet 1 of 1	

4

4

3

2

1