

Ratings

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

Conductor

Conductor count: 5
 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, yellow, blue
 Diameter: $\varnothing 1.5 \pm 0.10$ mm
 Average thickness: 0.26 mm
 Minimum thickness: 0.21 mm
 Resistance at 20 °C: 100 M Ω /km min

Shield

Type: foil
 Material: aluminum mylar
 Coverage: 100%

Filler

Material: cotton rope

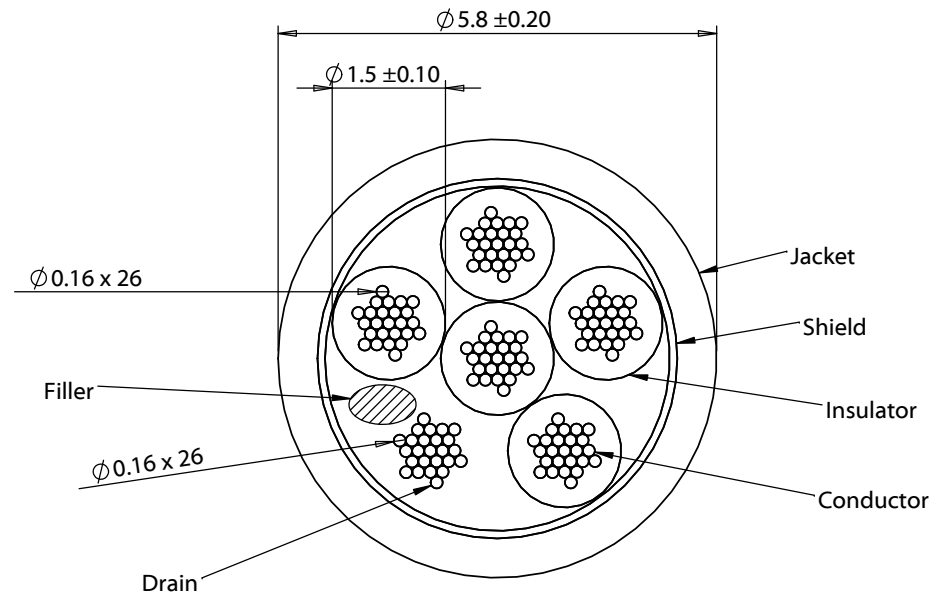
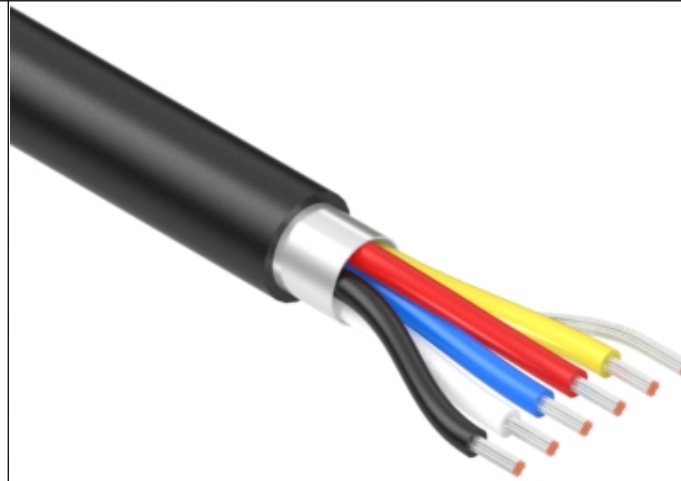
Outer jacket

Material: mPPE, 85A
 Color: black
 Diameter: $\varnothing 5.8 \pm 0.20$ mm
 Average thickness: 0.82 mm
 Minimum thickness: 0.57 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 (34.8 mm)



Revision:	Date:	Description:	Prepared:	Notes: RoHS compliant Phthalate and halogen free	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	4/20/2020	Initial release	Verified:		
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description:	Size: Part number:
				Wire, 5C TS, 20 AWG, 21509, 600V, 105C, 5.8 mm, shielded, FT2, mPPE	A 30-01452
				Scale: 10:1	

5

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