

Ratings

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

Conductor

Conductor count: 4
Gauge: 18 AWG 0.82 mm²
Material: tinned copper strands
Strand size: $\phi 0.16 \times 41$
Resistance at 20 °C: 23.2 Ω /km max

Insulator

Material: mPPE
Color: red, black, white, green
Diameter: $\phi 1.8 \pm 0.10$ mm
Average thickness: 0.29 mm
Resistance at 20 °C: 100 M Ω /km min

Wrap

Material: cotton paper

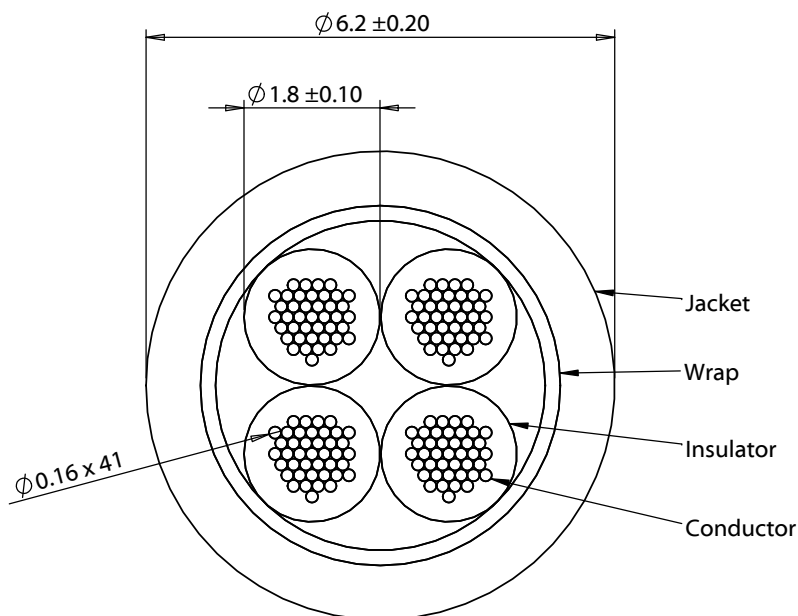
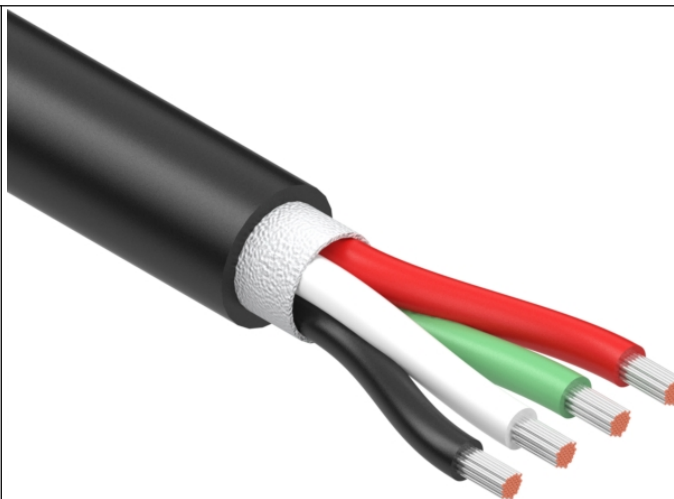
Outer jacket

Material: mPPE, 85A
Color: black
Diameter: $\phi 6.2 \pm 0.20$ mm
Average thickness: 0.87 mm

Wire marking: E339579 UL AWM STYLE 21509 18 AWG 105°C
600V --- cUL AWM I A 105°C 600V FT2 LF TENSILITY

Bend radius

Minimum: 6 times diameter (37.2 mm)



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	10/31/2023	Initial release	Verified:	RoHS compliant Phthalate and halogen free			
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description:	Size:	Part number:	
				Wire, 4C TS, 18 AWG, 21509, 600V, 105C, 6.2 mm, FT2, mPPE	A	30-03372	
					Scale: 10:1		Sheet 1 of 1

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