

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: Ø 0.16 mm x 41
 Resistance at 20 °C: 23.2 Ω /km max

Insulator

Material: mPPE
 Color: red, black, white, yellow
 Diameter: Ø 1.8 ±0.10 mm
 Average thickness: 0.29 mm
 Minimum thickness: 0.23 mm
 Resistance at 20 °C: 100 MΩ /km min

Shield

Type: foil
 Material: aluminum mylar
 Coverage: 100%

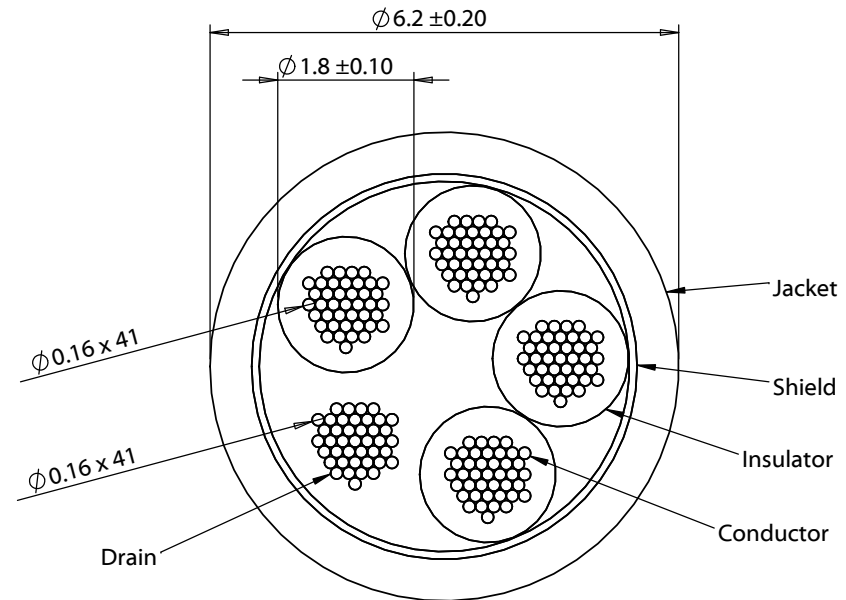
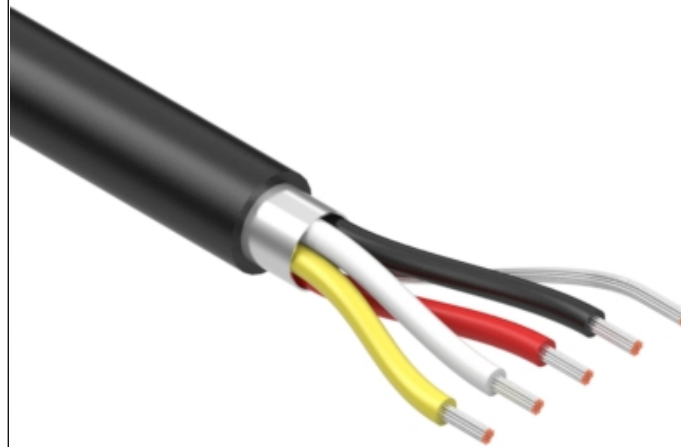
Outer jacket

Material: mPPE, 85A
 Color: black
 Diameter: Ø 6.2 ±0.20 mm
 Average thickness: 0.87 mm
 Minimum thickness: 0.61 mm

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

Bend radius

Minimum: 6 times diameter (37.2 mm)



Revision:	Date:	Description:	Prepared:	Notes: RoHS compliant Phthalate and halogen free	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</p>
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, 4C TS, 18 AWG, 21509, 600V, 105C, 6.2 mm, shielded, FT2, mPPE	A 30-01434
				Scale: 10:1	

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4

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