

Ratings

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

Conductor

Conductor count: 2
 Gauge: 28 AWG 0.08 mm²
 Material: tinned copper strands
 Strand size: $\phi 0.12 \times 7$
 Resistance at 20 °C: 250 Ω /km max

Insulator

Material: mPPE
 Color: red, black
 Diameter: $\phi 0.9 \pm 0.08$
 Average thickness: 0.25 mm
 Minimum thickness: 0.2 mm
 Resistance at 20 °C: 100 M Ω /km min

Shield

Type: foil
 Material: aluminum mylar
 Coverage: 100%

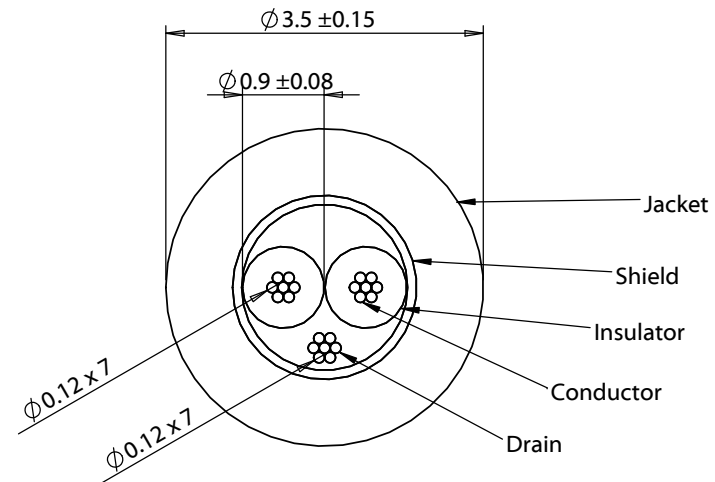
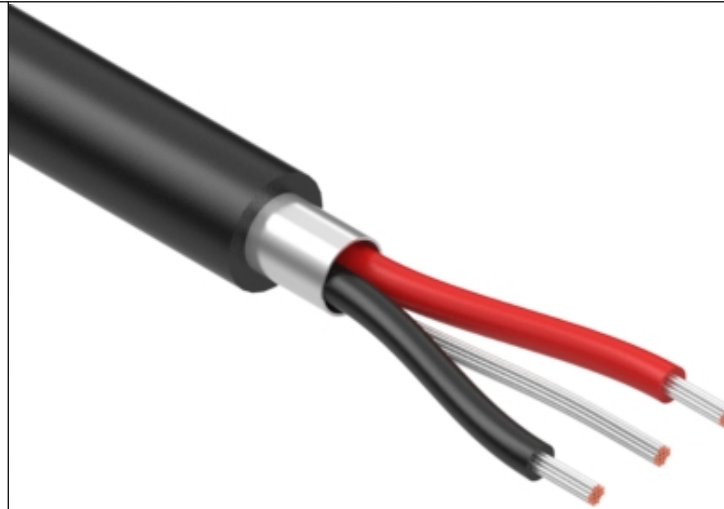
Outer jacket

Material: mPPE, 85A
 Color: black
 Diameter: $\phi 3.5 \pm 0.15$
 Average thickness: 0.8 mm
 Minimum thickness: 0.56 mm

Wire marking: E339579 UL AWM STYLE 21509 28 AWG 105°C
 600V --- cUL AWM I A 105°C 600V FT2 TENSILITY

Bend radius

Minimum: 6 times diameter (21 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: Wire, 2C TS, 28 AWG, 21509, 600V, 105C, 3.5 mm, shielded, FT2, mPPE	Size: A	Part number: 30-01412
				Scale: 12:1		Sheet 1 of 1

5

4

3

2

1