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

Conductor
Conductor count: 8
Gauge: 24 AWG 0.21 mm²
Material: tinned copper strands
Strand size: ∅0.08 x 41
Resistance at 20 °C: 94.2 Ω /km max

Insulator
Material: mPPE
Color: red, black, white, yellow, blue, green, orange, purple
Diameter: ∅1.1 ±0.10 mm
Average thickness: 0.24 mm
Minimum thickness: 0.19 mm
Resistance at 20 °C: 100 MΩ /km min

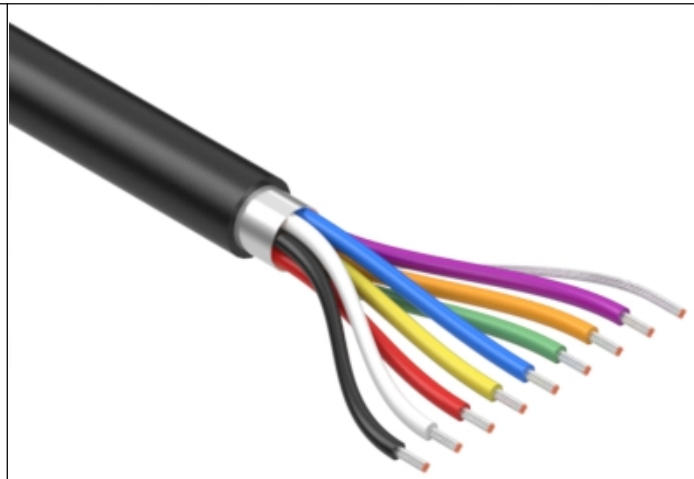
Shield
Type: foil
Material: aluminum mylar
Coverage: 100%

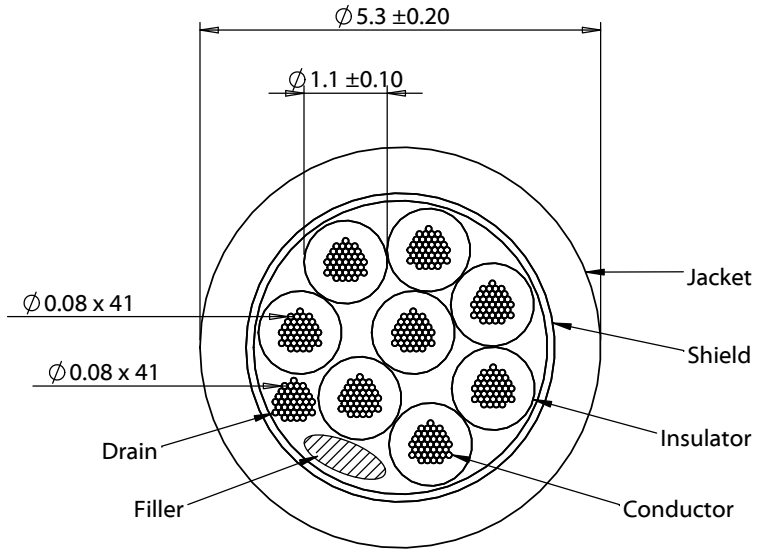
Filler
Material: cotton rope

Outer jacket
Material: mPPE, 85A
Color: black
Diameter: ∅5.3 ±0.20 mm
Average thickness: 0.78 mm
Minimum thickness: 0.54 mm

Wire marking: E339579 UL AWM STYLE 21509 24 AWG 105°C 600V - - - cUL AWM I A 105°C 600V FT2 TENSILITY

Bend radius
Minimum: 6 times diameter (31.8 mm)





Revision:	Date:	Description:
A	4/21/2020	Initial release

Prepared: AW
Digitally signed by AW
Date: 2020.04.21 09:04:20 -07'00'

Verified: JC
Digitally signed by JC
Date: 2020.04.22 09:48:38 -07'00'

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, 8C TS, 24 AWG, 21509, 600V, 105C, 5.3 mm, shielded, FT2, mPPE

TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

Size: A
Part number: 30-01504
Scale: 10:1
Sheet 1 of 1

To see a custom version of this cable assembly, call Tensility at 541-323-3228 or email engineering@tensility.com

5 4 3 2 1

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