Ratings
Voltage: 300 V
Temperature
Static: -40~105 °C
Dynamic: -20 ~ 105 °C
Flammability: VW-1
Water resistant: 75 °C
Oil resistant: 60 °C (jacket)
≥50% elongation and tensile strength after aging
UV resistance: jacket, 720 hours xenon or carbon arc exposure
≥80% tensile strength and elongation after aging

Conductor
Conductor count: 3
Gauge: 28 AWG 0.09 mm²
Material: tinned copper strands
Strand size: Ø 0.127 mm x 7
Resistance at 20 °C: 239 Ω /km max

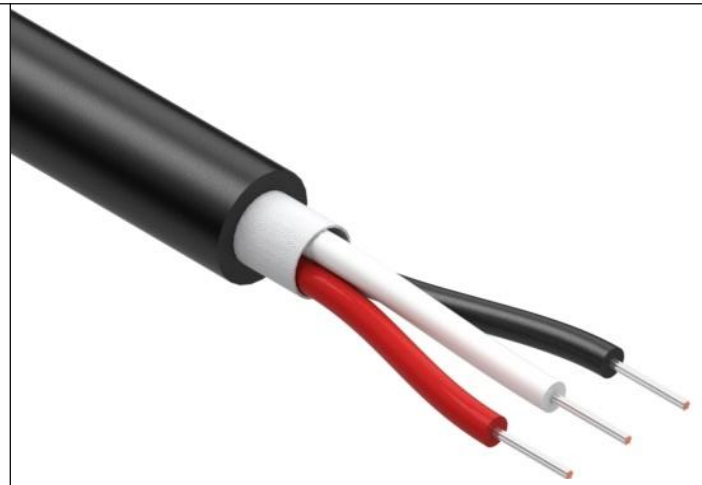
Insulator
Material: PVC
Color: red, black, white
Diameter: Ø1.2 ± 0.1mm
Nominal thickness: 0.38 mm
Resistance at 20 °C: 10 MΩ /km min

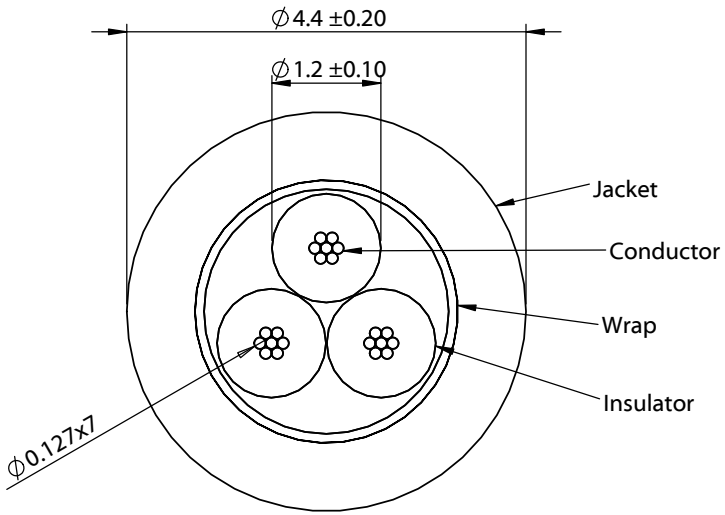
Wrap
Material: cotton paper

Outer jacket
Material: TPU (Polyether Polyurethane) 85A
Color: black
Diameter: Ø 4.4 ± 0.2 mm
Nominal thickness: 0.76 mm

Wire marking:
E339579 UL AWM STYLE 21765 28AWG 105°C 300V VW-1 --- cUL AWM II A 105°C 300V FT1 TENSILITY

Use: External wiring





Revision:	Date:	Description:
A	3/24/2023	Initial release

Prepared: MP Digitally signed by MP Date: 2023.06.06 16:19:28 -07'00'

Verified: PB Digitally signed by PB Date: 2023.06.06 12:57:03 -07'00'

Dimensions are in millimeters.
Tolerances:
X: ± 0.5 mm
X.X: ± 0.3 mm
X.XX: ± 0.05 mm

Notes:
RoHS compliant
Function: no open, no short circuit, no intermittent

Description:
Wire, 3C TS, 28 AWG, UL21765, 300V, 105C, 60C oil, UV, 4.4 mm, VW-1, TPU

TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

Size: A
Part number: 30-03073
Scale: 12:1
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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