

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

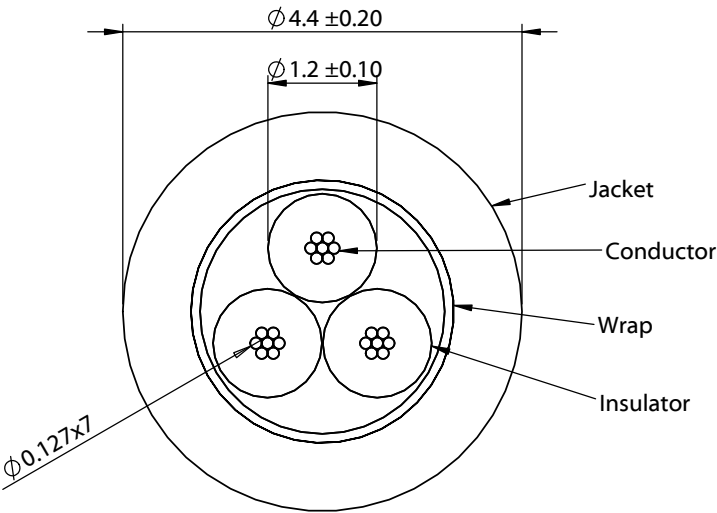
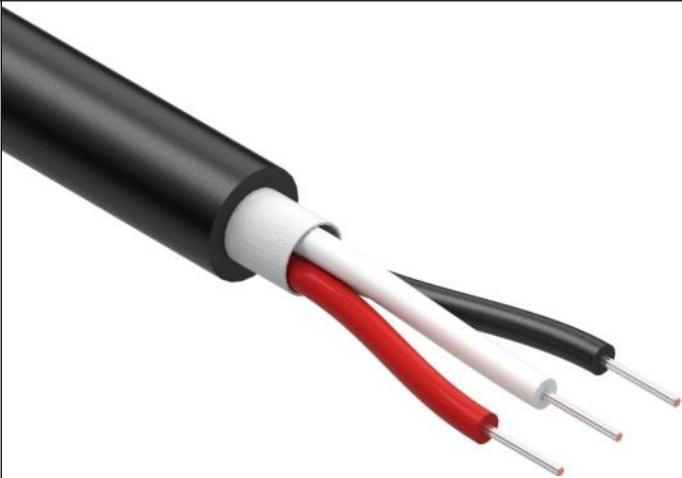
Insulator
Material: PVC
Color: red, black, white
Diameter: Ø1.2 ± 0.1mm
Nominal thickness: 0.38 mm
Resistance at 20 °C: 10 MΩ /km min

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:
Verified:
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

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