

Ratings

Voltage: 300 V
 Temperature: -40 ~ 80 °C
 Flammability: FT2

Conductor

Conductor count: 5
 Gauge: 24 AWG 0.2 mm²
 Material: bare copper strands
 Strand size: Ø 0.1 mm x 26
 Max resistance at 20 °C: 94.2 Ω /km

Insulator

Material: TPE 85A
 Color: white, black, red, yellow, blue
 Diameter: Ø 1.1 ±0.10 mm
 Nominal thickness: 0.21 mm
 Minimum resistance @ 20 °C: 100 MΩ /km

Filler

Material: cotton rope

Shield

Type: braided
 Material: bare copper strands
 Stranding: Ø0.10 mm, 65% minimum coverage

Drain

Material: bare copper strands
 Stranding: Ø0.1 x 26

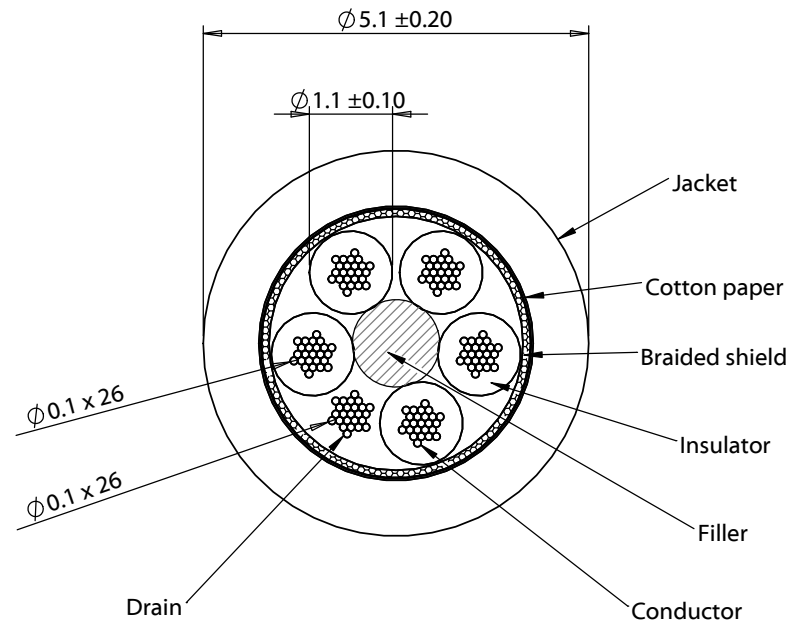
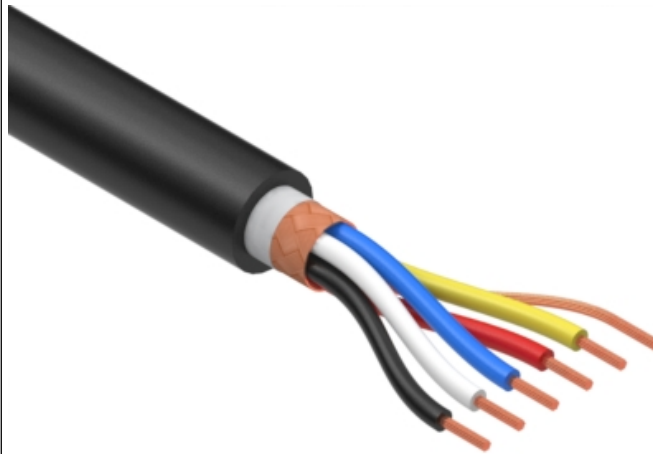
Outer jacket

Material: TPU (Polyether Polyurethane) 80A
 Color: black
 Diameter: Ø 5.1 ±0.20 mm
 Nominal thickness: 0.85 mm

Wire marking: E339579 UL AWM STYLE 20280 24 AWG 80°C
 300V --- cUL AWM I/II A 80°C 300V FT2 TENSILITY

Tests

Spark test: 3.0 kV
 Insulation tensile strength: 0.562 kgf/mm²
 Jacket tensile strength: 1.05 kgf/mm²
 After aging at 113 ±2 °C for 7 days:
 Minimum jacket tensile strength 70 % original
 Minimum insulation tensile strength 75 % original
 Minimum jacket elongation 65 % original
 Minimum insulation elongation 75 % original
 Heat shock: 121 ±1 °C /1 hour, no observed degradation
 Deformation: 121 ±1 °C /1 hour, ≤ 50 %
 Cold bend: -10 ±2 °C /1 hour, no observed cracking
 Dielectric test: 2000 Vac for 1 minute without breakdown



Revision:	Date:	Description:
A	6/12/2019	Initial release

Prepared:
AG
Digitally signed by AG
 Date: 2019.06.12
 11:27:13 -07'00'

Verified:
JW
Digitally signed by JW
 Date: 2019.06.13
 09:12:42 -07'00'

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

Notes:
 RoHS and REACH compliant
 Phthalate and halogen free
 Function: no open, no short circuit, no intermittent

Description:
 Wire, 5C BC, 24 AWG, UL20280, 300V, 80C, 5.1 mm, braided shield, FT2, TPU

TENSILITY
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Size: A	Part number: 30-00923
Scale: 10:1	Sheet 1 of 1