Ratings
Voltage: 300 V
Temperature: -25 to 80 °C
Flammability: VW-1

Conductor
Conductor count: 6
Gauge: 20 AWG 0.52 mm²
Material: tinned copper strands
Strand size: Ø 0.16 mm x 26

Insulator
Material: PVC
Color: green, blue, yellow, white, black, red
Diameter: ∅1.55 ±0.10 mm
Nominal thickness: 0.38 mm

Drain
Stranding: Ø 0.16 mm x 26, 20 AWG

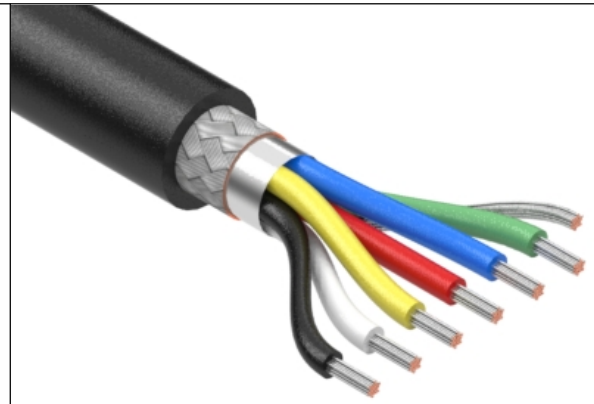
Shield
Type: foil + braided
Material: aluminum mylar, tinned copper strands
Stranding: Ø 0.127 mm
Coverage: 80% minimum

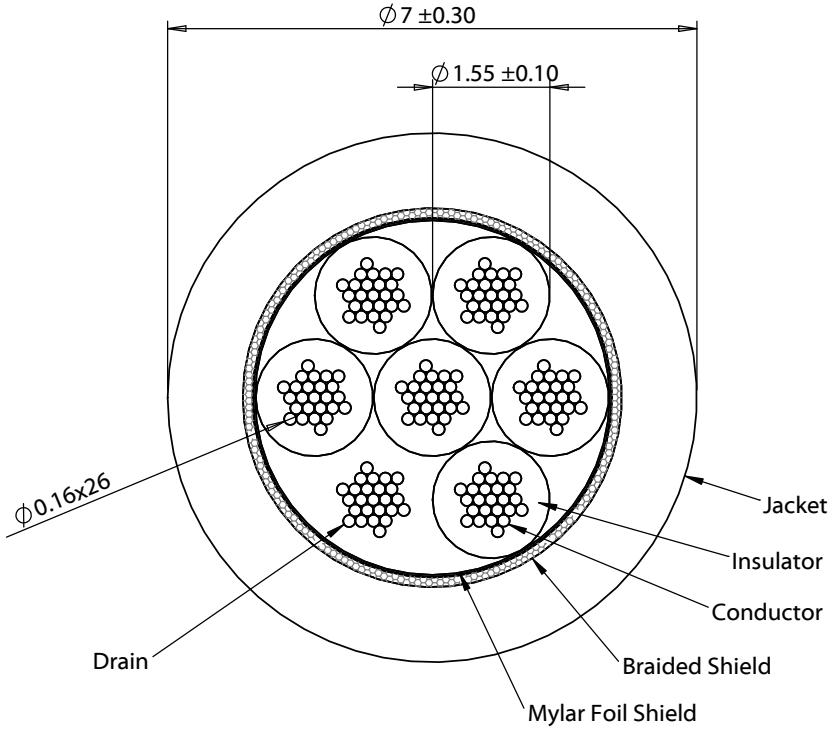
Outer jacket
Material: PVC, 80A
Color: black
Diameter: ∅7 ±0.30 mm
Nominal thickness: 0.8 mm

Wire marking: E339579 UL AWM STYLE 2464 20 AWG 80°C 300V VW-1 - - - cUL AWM I/II A 80°C 300V FT1 TENSILITY

Tests
Voltage test: 300 V
Spark test: 3.0 kV
Max resistance at 20 °C: 36.7 ohm/km
Insulation tensile strength: 2.11 kgf/mm²
Jacket tensile strength: 1.05 kgf/mm²
After aging at 113 ±2 °C for 7 days:
Minimum tensile strength 70 % original
Minimum elongation 65 % 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

Use: Internal wiring or external interconnection of electronic equipment.





Revision:	Date:	Description:
A	04/05/2018	Initial release

Prepared: RS Digitally signed by RS Date: 2018.04.11 16:30:38 -07'00'

Verified: AW Digitally signed by AW Date: 2018.04.17 12:02:15 -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

Function test: no open, no short circuit, no intermittent

Description:
Wire, 6C TS, 20 AWG, UL2464, 300V, 80C, 7 mm, shielded, VW-1, PVC, black

TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

Size: A
Part number: 30-01051
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