Ratings
Voltage: 300 V
Temperature: -40~105 °C
Flammability: VW-1

Conductor
Conductor count: 8
Gauge: 18 AWG 0.82 mm²
Material: tinned copper strands
Strand size: ∅0.127 mm x 65
Resistance at 20 °C: 23.2 Ω /km max

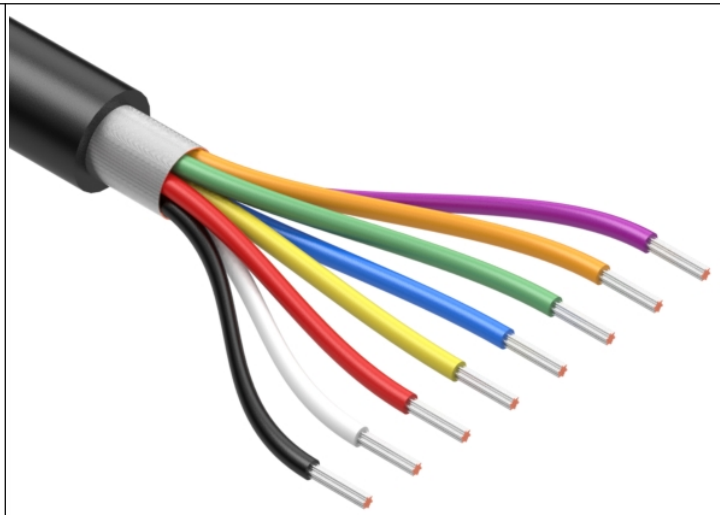
Insulator
Material: FEP
Color: red, black, white, yellow, blue, green, orange, purple
Diameter: ∅1.5 ±0.10
Nominal thickness: 0.13 mm
Resistance at 20 °C: 10 MΩ /km min

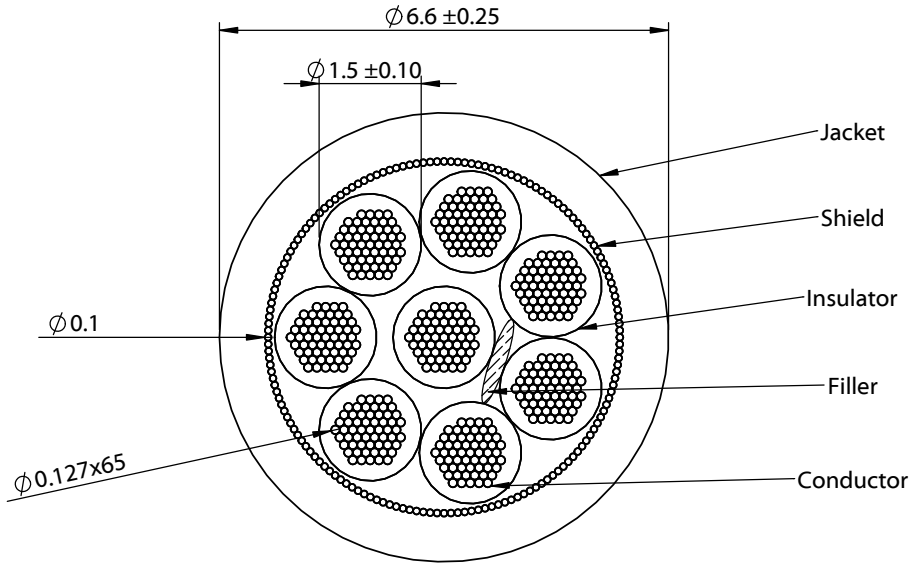
Filler
Material: aramid fiber

Shield
Material: tinned copper strands
Strand size: ∅0.1 mm, 85% min coverage

Outer jacket
Material: TPE, 78A
Color: black, matte
Diameter: ∅6.6 ±0.25
Nominal thickness: 0.6 mm

Wire marking: E339579 UL AWM STYLE 21296 18 AWG 105°C 300V VW-1 - - - cUL AWM I A 105°C 300V FT1 TENSILITY DGT





Revision:	Date:	Description:
A	10/27/2021	Initial release

Prepared: PB
Digitally signed by PB
Date: 2021.11.01 09:02:20 -07'00'

Verified: JD
Digitally signed by JD
Date: 2021.11.02 16:25:19 -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 free
Function test: no open, no short circuit, no intermittent

Description:
Wire, 8C TS, 18 AWG, UL 21296, 300V, 105C, 6.6 mm, shielded, VW-1, TPE

TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

Size: A
Part number: 30-02458
Scale: 9:1
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