Ratings
Voltage: 30 V
Operating temperature: -35° to 80° C

Conductor
Conductor count: 6
Gauge: 26 AWG 0.13 mm²
Material: tinned copper strands
Strand size: Ø 0.08 mm x 26
Max resistance @ 20 °C: 150 ohm/km

Insulator
Material: PVC, 42P
Color: white, black, red, yellow, blue, green
Diameter: ∅1 ±0.10 mm
Nominal thickness: 0.25 mm
Resistance at 20 °C: 10 MΩ / km

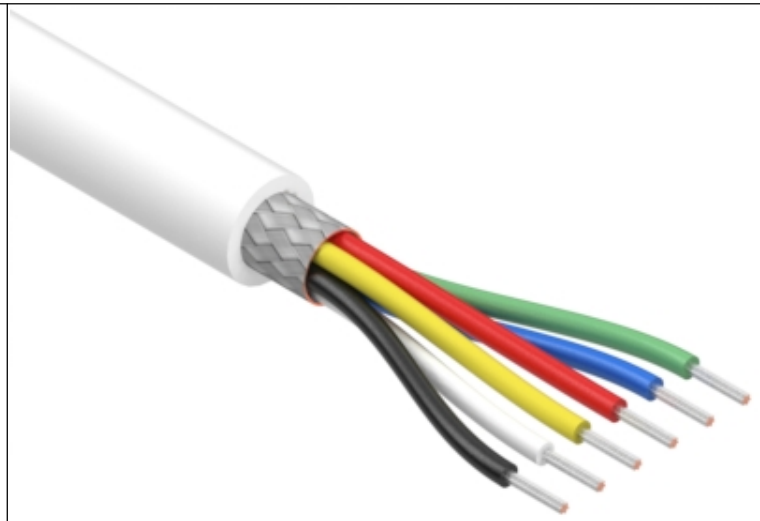
Filler
Material: cotton rope

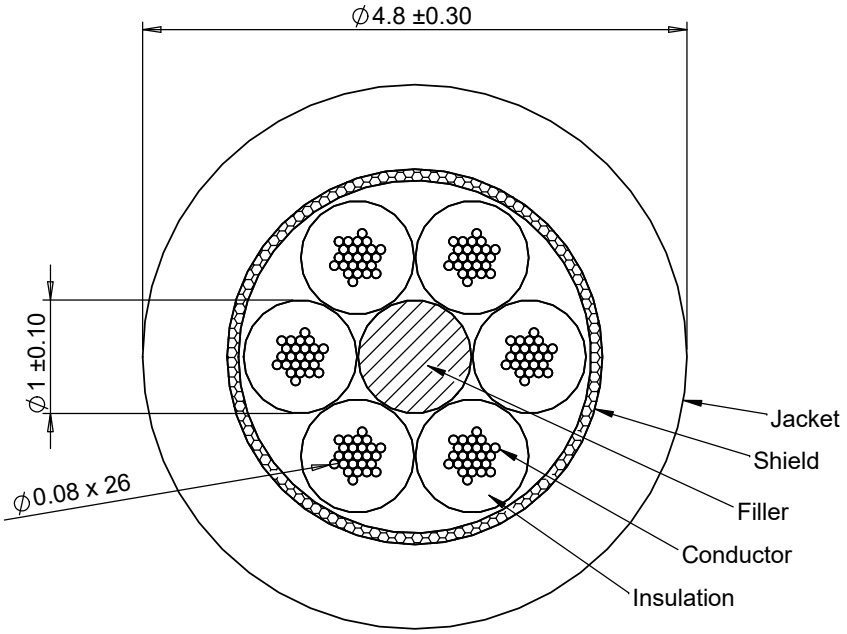
Shield
Type: braided
Material: tinned copper strands
Stranding: 16/9/ Ø0.10 mm
Coverage: 90% minimum

Outer jacket
Material: TPE, 70A
Color: white
Diameter: ∅4.8 ±0.30 mm
Nominal thickness: 0.80 mm

Wire marking: TENSILITY 26 AWG 30V 80°C 30-00838

Tests
Before aging:
Insulation tensile strength: 1.05 kgf/mm²
Jacket tensile strength: 0.84 kgf/mm²
Minimum jacket elongation >200 % original
Minimum insulation elongation >100 % original
Heat shock: 150 ±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	11/1/16	Initial Release

Prepared: DN Digitally signed by DN Date: 2016.11.02 13:21:25 -07'00'

Verified: GL Digitally signed by GL Date: 2016.11.03 15:52:13 -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, 26 AWG, 30V, 80C, 4.8 mm, braid shield, TPE, 70A, white

TENSILITY
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Size: A
Part number: 30-00838
Scale: 15:1
Sheet 1 of 1

5 4 3 2 1