Ratings
Voltage: 300 V
Temperature: -40~125 °C
Flammability: VW-1

High Speed CAN (Twisted Pair)
Gauge: 22 AWG 0.35 mm²
Color: Yellow (CAN High)
Green (CAN Low)
Conductor: bare copper strands, Ø 0.25 mm x 7
Conductor resistance at 20 °C: 59.4 Ω /km max
Insulation
Material: XLPE
Diameter: ∅1.65 ±0.05
Thickness: 0.38 mm nominal
Resistance at 20 °C: 100 MΩ /km min
Twisted pair characteristic impedance: 115 Ω Nom. (90 - 140 Ω)

TXL Automotive Primary Wire (2C)
Gauge: 22 AWG 0.35 mm²
Color: Red (Power)
Black (Ground)
Conductor: bare copper strands, Ø 0.25 mm x 7
Conductor resistance at 20 °C: 59.4 Ω /km max
Insulation
Material: XLPE
Diameter: ∅1.65 ±0.05
Thickness: 0.38 mm nominal
Resistance at 20 °C: 100 MΩ /km min

Filler
Material: cotton rope

Wrap
Material: PET

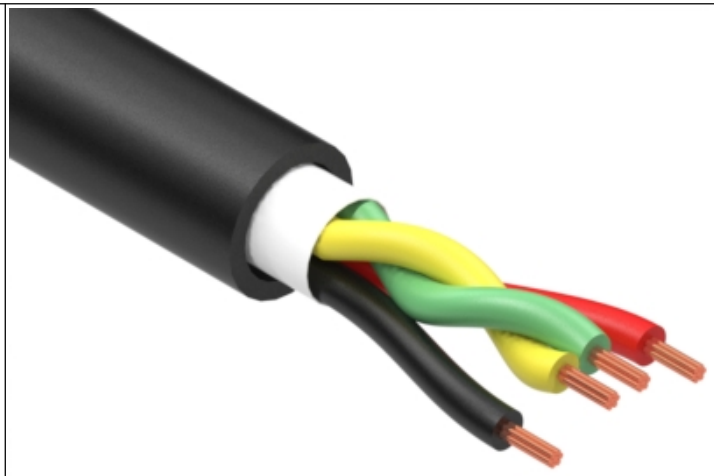
Outer jacket
Material: XLPE
Color: black
Diameter: ∅6.5 ±0.30
Nominal thickness: 0.85 mm

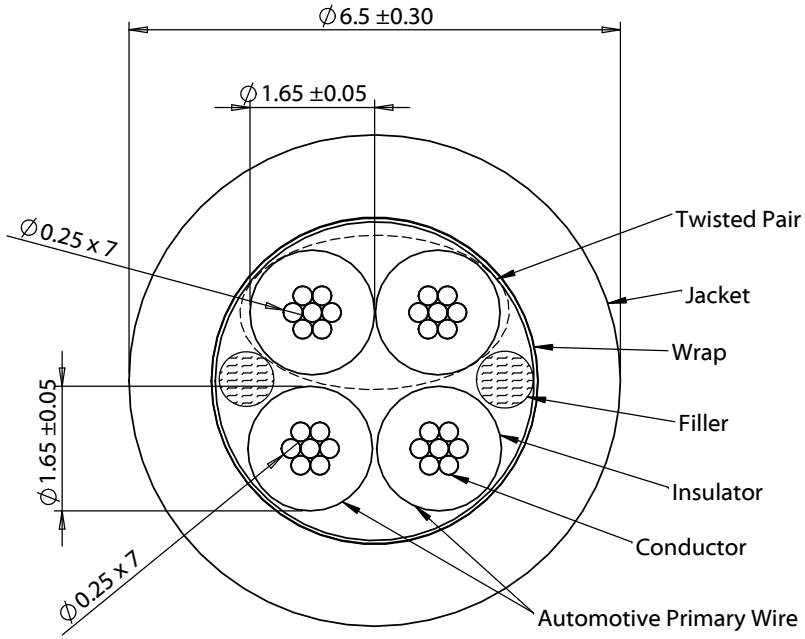
Red insulator marking: 22 AWG TXL - Power

Black insulator marking: 22 AWG TXL - Ground

Jacket marking: HIGH SPEED CAN + POWER 22 AWG
125°C 300V VW-1 TENSILITY

Meets or exceeds the following Standards:
SAE J1128 Low Voltage Primary Cable
SAE J2284 High-Speed CAN (HSC) and CAN FD





Revision:	Date:	Description:
A	6/11/2021	Initial release
A1	12/2/2021	Changed FEP to XLPE
A2	1/13/22	Added filler

Prepared: AG
Digitally signed by AG
Date: 2026.11.03 17:01:14 -08'00'

Verified: KW
Digitally signed by KW
Date: 2026.11.03 17:02:50 -08'00'

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

Notes:
RoHS compliant

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

Description:
Wire, 1PR + 2C, 22 AWG, TXL, CAN + power, 6.5 mm, 300V, 125C, XLPE

TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

Size: A
Part number: 30-01815
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