

THHN/THWN-2/MTW/AWM/1316/1452- CSA T90 Nylon-14-19-B Cable Specification

Description:

1. Conductor

1.1 AWG & Stranding:	14 (19 x .0147) Bunched Copper
1.2 Material:	Copper to UL 758 Max DC Resistance @ 25°C = 2.68 Ω/1000'/with ≈ OD of .073"
1.3 Lay	1.5" Left Hand Lay

2. Insulation

2.1 Material:	PVC 105°C
2.2 Wall Thickness NOM:	.015" Average
2.3 Wall Thickness MIN:	.013" Minimum
2.4 Outside / Finished Diameter	.103" ± .005"

3. Color Code

3.1 Code:	As specified by Customer
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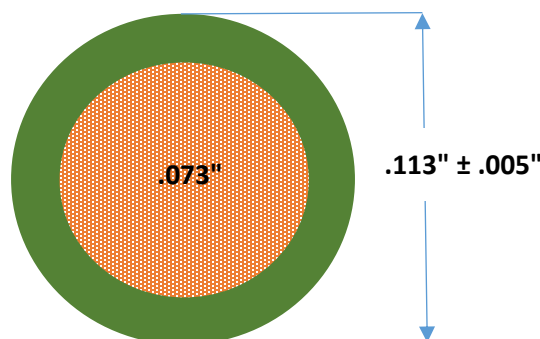
4. Assembly

4.1 MAX Cable Lay Length:	N/A
4.2 Cable Binder:	N/A
4.3 Cable filler:	N/A
4.4 Cable Shield / Separator:	N/A
4.5 Cable Drain Wire:	N/A
4.6 Ripcord:	N/A

4.7 ≈ Overall Diameter: N/A

5. Jacket

5.1 Material:	Nylon
5.2 Wall Thickness NOM:	.005"
5.3 Wall Thickness MIN:	.004"
5.4 Diameter:	.113 ± .005"
5.5 Jacket Type & Color:	Clear



6. Ratings

6.1 UL/CSA/Auto/Other:	105°C, VW-1, 600V or 1000V, Gasoline & Oil Resistant II (See section "9. Usage")
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7. Markings (Upon Request)

7.1 Type:	Print wheel / Inkjet/ Indent Print
7.2 UL / SAE / Other:	E132579 14 AWG (2.08mm2)(19 CLASS C) (UL) MTW 90C OR THHN OR THWN-2 600V OR AWM STYLE 1316 105C 600V OR AWM STYLE 1452 90C 1000V GAS & OIL RESISTANT II VW-1 CSA LL67880 (2.08mm2)TWN75 OR T90 NYLON 600V FT1

8. Standards

8.1 Manufactured to:	UL Subject 758 for Style 1361 & 1452 / UL 83 / UL1063
8.2 All materials used in the manufacture of this cable are RoHS & Reach compliant.	

9. Usage:

9.1 THHN/THWN-2:	Suitable for 600 Vac as specified in NEC at conductor temperatures not to exceed 60°C when exposed to oil or coolant. Gasoline and oil resistant II. Manufactured to UL83.
9.2 MTW:	Machine Tool Wire
9.3 AWM:	UL 1316 rated 105°C 600 Vac, gasoline and oil resistant at 60°C UL 1452 rated 90°C 1000 Vac, suitable for immersion in gasoline and oil at 60°C. Internal wiring of appliances. 3500 volts peak for electronic use only.

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VARIATION