



**Unified
Wire and
Cable, Inc.**

Part Number: 12 AWG (19X.0185) BC THHN / THWN / MTW / AWM CSA T90 Nylon FT-1 Cable Specification

Description:

1. Conductor

1.1 AWG & Stranding:	12 gauge (19 x .0185") Bare
1.2 Material:	Bare Copper
1.3 Lay / Cu \approx OD	2.0" LHL / .088"

2. Insulation

2.1 Material:	Polyvinyl Chloride (PVC)
2.2 Wall Thickness PVC / NYLON NOM:	.015" / .0045"
2.3 Wall Thickness PVC / NYLON MIN:	.013" / .004"
2.4 Separator Type / Size:	N / A
2.5 Outside / Finished Diameter \approx	.131" + / - .005"

3. Color Code

3.1 Code:	As specified by Customer
-----------	--------------------------

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

5. Jacket

5.1 Material:	N/A
5.2 Wall Thickness NOM:	N/A
5.3 Wall Thickness MIN:	N/A
5.4 Diameter:	N/A
5.5 Color:	N/A

6. Ratings

6.1 UL/CSA/Auto/Other:	UL 83 / UL 1063 / UL Subject 758
------------------------	----------------------------------

7. Markings (Upon Request)

7.1 Type:	Print wheel / Inkjet / other
7.2 UL:	E135576 12 AWG (3.31 mm ²) (19 Class C) (UL) MTW 90°C OR THHN OR THWN-5 600V OR AWM Style 1316 105°C 600V OR AWM Style 1452 90°C 1000V GASOLINE / OIL RESISTANT II VW-1 LL97880 CSA THWN 75 OR T90 NYLON 600 V FT1

8. Standards

8.1 Manufactured to:	UL Subject 758 for Style 1361 & 1452 / UL 83 / UL 1063
8.2 All materials used in the manufacture of this cable are RoHS & Reach compliant.	

9. Usage

9.1 MTW:	Machine Tool Wire
9.2 THHN / THWN:	SUITABLE FOR OPERATION AT 600 VOLTS AS SPECIFIED IN THE NATIONAL ELECTRIC CODE AT CONDUCTOR TEMPERATURES NOT TO EXCEED 60 C WHEN EXPOSED TO OIL OR COOLANT. GASOLINE AND OIL RESISTANT II. MANUFACTURED TO UL83.
9.3 AWM:	UL 1316 RATED 105C 600 VOLTS, GASOLINE AND OIL RESISTANT, OIL RESISTANT 60C UL 1452 RATED 90C 1000 VOLTS, SUITABLE FOR IMMERSION IN GASOLINE, IMMERSION IN OIL AT 60C. INTERNAL WIRING OF APPLIANCES, 3500 VOLTS PEAK. FOR ELECTRONIC \ USE ONLY

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VARIATION