

Part Number: C8001

Revision Level: 09

Date: January 08, 2013

2C20 7/28 TC PE OAS PVC JKT

78 OHM TWINAXIAL CABLE

A. CONSTRUCTION A

DIAMETERS

- | | | |
|------------------|--|-------------------|
| 1) CONDUCTOR: | #20 AWG 7/28 Tinned Copper | 0.038" nom. |
| 2) INSULATION: | 0.021" Wall Polyethylene | 0.080" nom. |
| 3) COLOR CODE: | Blue, Natural | |
| 4) CABLE | 2 Conductors cabled LHL with poly rod fillers | 0.160" nom |
| 5) SHIELD: | Aluminum/Polypropylene Tape; 100% Shield
With #20 7//28 TC Drain Wire | 0.165" nom |
| 6) BRAID SHIELD: | #36 AWG Tinned Copper
57% Nom Coverage | 0.185" nom |
| 7) JACKET: | 0.032" Wall Polyvinyl Chloride - Blue | 0.250" +/- 0.012" |
| 8) PRINT LEGEND: | CAROL (R) – C8001 – 78 OHM TWINAXIAL CABLE – ALLEN BRADLEY
 CAT#1770 CD – 2C 20 AWG E60233-F CL2 (UL) OR CM c(UL)us -- AWM 2464
 – MADE IN USA MO/YR XXXXXXFT | |

D. INDUSTRY APPROVALS

National Electric Code
UL Standard 444

Article 800
Type CM(UL)C(UL)

National Electric Code
UL Standard 13

Article 725
Type CL2

UL Subject 758

AWM Style 2464

E. ELECTRICAL PROPERTIES

- | | |
|--------------------------------------|---------------------------------|
| 1) TEMPERATURE: | -20C To +80C |
| 2) SUGGESTED WORKING VOLTAGE (Vrms): | 300V Max |
| 3) CONDUCTOR D.C. RESISTANCE: | 10.30 Ohms/1000 ft. nom. @ 20 C |
| 4) SHIELD RESISTANCE: | 3.10 Ohms/1000 ft. nom. @ 20 C |
| 5) MUTUAL CAPACITANCE: | 20 pF/ft. @ 1 kHz nom. |
| 6) GROUND CAPACITANCE: | 36 pF/ft. @ 1kHz nom. |
| 7) CHARACTERISTIC IMPEDANCE: | 78 Ohms @ 1 MHz nom. |
| 8) Attenuation: | |

FREQ. (MHz)	dB/100 ft.
1	0.6
10	2.1
20	2.5
50	3.6
100	7.5
200	11.0
400	16.0

Note: Data are subject to change without notice. Contact your Customer Service representative for latest information.

Rev 7: Update diameters, from .243 to .250, add RoHS & remove 75C from print legend – 05/11/2010 (GT)

Rev. 8: removed AWM 2582 and upgrade drain wire from 22 AWG to 20 AWG – 02/23/12/GT

Rev. 9: revised temp rating & volt to max / 01/08/13/GT