



PRODUCT DATA SHEET

Controlled Document – Engineering Drive

1530 Shields Drive
Waukegan, IL 60085

PART NUMBER: 821010-xx-23
DESCRIPTION: RG-11/U QUAD PLENUM COAXIAL CABLE WITH TWO FOILS AND 60%-40% ALUMINUM BRAIDS
RATING: UL LISTED AS CMP/CL2P OR CATVP
 CSA CERTIFIED AS CMP FT6

Construction Parameters:

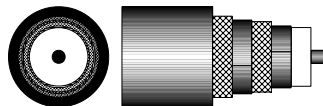
| | | <u>Wall (in)*</u> | <u>OD (in)*</u> |
|------------------|---|-------------------|-----------------|
| Conductors: | 14 AWG (1/.064) Solid Copper Clad Steel | | 0.064 |
| Dielectric: | Foam FEP color natural | 0.108 | 0.280 |
| Shielding 1 & 2: | Bonded Aluminum/Polyester/Aluminum Foil with 60% Aluminum Braid | | 0.312 |
| Shielding 3 & 4: | Aluminum/Polyester/Aluminum Foil with 40% Aluminum Braid | | 0.344 |
| Jacket: | Polyvinylidene Fluoride (Kynar [®]) | | 0.372 |

Electrical Properties:

| | <u>VALUE*</u> |
|----------------------------------|---------------|
| Conductor Resistance (ohms/Kft): | 12.7 |
| Impedance (ohms): | 75 |
| Capacitance (pF/ft): | 16.5 |
| Velocity of Propagation (%): | 82 |
| Attenuation (db/100 ft): | |
| 50 MHz | 1.2 |
| 100 MHz | 1.7 |
| 200 MHz | 2.5 |
| 400 MHz | 3.5 |
| 700 MHz | 4.6 |
| 1000 MHz | 5.6 |
| 1450 MHz | 6.3 |
| 1750 MHz | 7.4 |
| 2200 MHz | 8.1 |
| 3000 MHz | 9.7 |

Cable Cross-section:

(NOT TO SCALE)



Miscellaneous Information:

Flame Rating: UL 910 Steiner Tunnel Smoke and Flame Test
 Jacket Color: Natural
 Jacket Print (Aqua/Teal): COLEMAN CABLE 821010 RG11 14 AWG CCS QUAD SHIELD 60/40% AL BRAID E118963 (UL) CMP OR CL2P OR CATVP LL53149 CSA CMP FT6 125C SWEPT TO 3.0 GHZ

Temperature Rating: 125° C
 Applicable NEC Article: 725, 800 & 820
 Approximate Weight (lb/1000 ft): 60

The product complies with European Directive 2002/95/EC (RoHS)

On special orders the customer will accept all factory lengths and ± 10% of total order requested.

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Company Name: _____

Customer Approval: _____

Date: _____

Issued: 05/30/08 BY: RBC

* = Nominal value



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