

COAXIAL CABLE TECHNICAL SPECIFICATION

UPDATING

Issue	Date	Name	Modification
1	11/06/01	C. BOUCHEZ	First issue
2	19/06/01	C. BOUCHEZ	Marking.

This document defines our technical requirements about the following product :

DOUBLE SHIELDING COAXIAL CABLE (75 Ω) WITH A FOAMED POLYETHYLENE INSULATION.

BELDEN P/N : 1855A

A - DIMENSIONS

- Inner conductor diameter : 0.58 ± 0.007 mm.
(Solid bare copper)

- Core diameter 2.6 ± 0.08 mm.
(Foam polyethylene)

- Inner layer diameter 2.70 ± 0.10 mm.
(Not bonded aluminium tape /2 conductive faces/ 100% covering)

- External braid diameter 3.28 ± 0.10 mm.
(Tinned copper braid : 95% covering)

- Jacket diameter 4.05 ± 0.10 mm.
(Black PVC)

B – ELECTRICAL CHARACTERISTICS.

- Characteristics impedance : $75 \pm 3 \Omega$.
- Maximum attenuation:
 - at 17 MHz (20°C) : 5.15/100m.
 - at 70 MHz (20°C) : 10.5dB/100m.

C – ENVIRONMENTAL CHARACTERISTICS

- Temperature range : -40°C to +80°C.
- Fire resistance according to NEC document type CMG (Applicable document : CSA C22.2 - FT 4)

D – MARKING.

Marking in accordance to NEC document chap. 310-11.

The following sequence shall be marked :

“ RADIALL C291289080 - 23 AWG (UL) CMR or C(UL) CMG or AWM 1435 300 VRMS E108998 (MM/YY) ”

Marking at repeating intervals not exceeding 500mm.

E – PACKAGING

Reel dimensions :

Flange diameter : max 280 mm.

Bore diameter : 20<<70mm.

Width < 260mm.

F- DELIVERY DOCUMENTS

- Each reel is identified by a number marked on a flange.
- Certificate of conformance with the reels numbers and the corresponding manufacturing lot number.
The certificate of conformance guaranties the goods delivered are conformed to this specification.