

CAI Cable Certification – Applicant Cable Criteria Details

Please, email (pdf or word copy) or post back to:

RN Electronics Ltd
Arnolds Court, Arnolds Farm Lane
Mountnessing, Brentwood, Essex CM13 1UT
Tel: 01277 352219
Email: enquiries@rnelectronics.com
Website: www.rnelectronics.com

Please note the information in Sections 1, 2, & 3 will appear on your Cable Test Report please fill in ALL information.

1. Company Details

Company Name.....
Address.....
..... Postcode.....
Contact..... Tel:Fax.....
Email..... Website.....
CAI Member.....YES/NO if YES, please state membership Number.....

2. Cable Details

Part No./Ref.code/. Description (100/125/165) etc.....
Markings (Drum Ref codes/ sheath code marks etc).....
Manufactured by..... Batch details/no/ref/.....

Manufacturers ISO Certificate (or equivalent) attached? [] please tick. Note - This must be included with this document on submission to the Test House.

A statement on the suitability of the cable for use outside including the cables stability to UV radiation and weathering. This statement must confirm that the cable is suitable for outside use and that the cable sheath has the necessary protection to avoid both discolouration and damage due to the external environment. Prospective benchmark holders may wish to consider BS EN 50289-4-17 attached? [] please tick. Note - This must be included with this document on submission to the Test House.

Details must be supplied of the cables CPR rating and the applicant must also detail the sheath types the cable will be available in.

Table with 2 columns: CPR Rating of the Cable, and Detail all sheath types the cable will be available in (i.e. PVC/LSZH....)

3. Mechanical Specifications

Inner Conductor (Cu/Alloy)		Dia.of Inner Conductor (mm)	
Outer Conductor Tape		Dia over Outer Conductor (mm)	
Outer Conductor Braid		Braid Coverage (%)	
Dielectric		Dia.over Dielectric (mm)	
Sheath		Dia.over Sheath (mm)	
Conductor Weight (g)		Total Weight (g/m)	
Min. Bending Radius (mm)		Max.Tensile Strength (N)	
Width of Foil (mm)		Dia. Of Braid Strands (mm)	
Number of Braid Strands			

4. Electrical Specifications – Only to be completed for new cables, not recertification.

Nominal Impedance (Ω)		Velocity Ratio (%)	
Inner DC Resistance 20°C (Ω /km)		Outer DC Resistance 20°C (Ω /km)	
Maximum Voltage (V)		Maximum Current (A)	
Capacitance (pF/m)			

Attenuation

Frequency (MHz)	dB/100m	Frequency (MHz)	dB/100m
5		860	
50		1000	
100		1750	
200		2150	
460			

Screening Attenuation

Frequency (MHz)	dB	Frequency (MHz)	dB
5-30, if applicable		470-862	
30-300		862-2150	
300-470			

Return Loss

Frequency (MHz)	dB	Frequency (MHz)	dB
5-30		470-862	
30-470		862-2150	

Stockists of the Cable – please give details of at least 2 future stockists of the cable to be tested:

- 1 Company name.....
 Address.....
Postcode.....
 Tel:Contact Name (if known).....
- 2 Company name.....
 Address.....
Postcode.....
 Tel:Contact Name (if known).....

Preferred method of cable disposal – Customer collection / Test House disposal (*please delete non-applicable*)

Customer Purchase Order No.		
Name	Signed	Date