



وزارة الإسكان والمرافق والمجتمعات العمرانية
المركز القومي لبحوث الإسكان والبناء
معهد بحوث الأعمال الكهروميكانيكية في المباني

Test Results of Radio Frequency Coaxial Cable for Receivers

- Printed TradeMark on the Tested Cable:

Ecab

- Type:

RG 6

- Code:-

T/103/287/2026

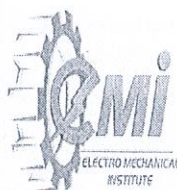
- Cable Description:

The tested cable consists of a conductor made from copper with a measured diameter about 1.02 mm FPE insulation and a shield layer (Aluminium Tape & Aluminium braid). Conductor, insulation, and shield layer are covered with a white PVC jacket.

- Test Results:

No.	Test	Result	Verdict
1	Marking	Marking is legible and in accordance to the manufacturer of the cable assembly.	Pass
2	Visual Inspection	The specimen is visually examined to ensure condition, workmanship, finish, marking, no mechanical damage, ... etc.	Pass
3	Return Loss	The measured return loss values shall be within the specified limits.	Pass

Eig/Abdellatif H. Hesham

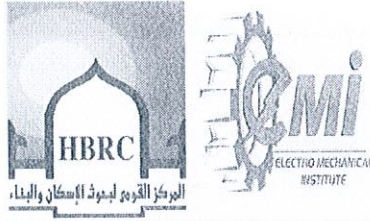


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4	Attenuation (Insertion Loss)	The measured maximum attenuation is less than specified values in the measurement range from 5 to 1000 MHz.	Pass
5	Stability of Insertion Loss	- The cable is wound on a mandrel of radius equal to the dynamic bending radius and using the number of turns indicated in the relevant detail specification. - During and after the test, the specified change of insertion loss given in the relevant detail specification is not exceeded	Pass
6	Voltage Proof	- 2 kV, 50 Hz AC voltage is applied between the inner and outer conductors of the cable for 1 min. - No damage occurs.	Pass

Eng / Abdelhameed Hesham





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Recommendations:

- The test specimen meets the requirements of BS EN 50117 in the tests that declared in the above table.
- The tested object was tested in the institute labs, and the institute is not responsible for any other object that will be supplied to projects.
- Some of tests included in this report were carried out by HBRC team at the laboratories of Delta technological university.
- This report shall not be reproduced, without permission from head of institute. In this case, the report is to be reproduced in full.

Tested by

Eng/ Abd El Fattah Hesham

Abdelfattah Hesham

Revised by

Assoc.Prof / Mohamed Osama

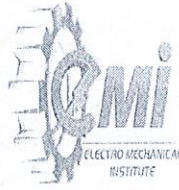
M. Osama

Head of Institute

Authorized by

Ghada Mohamed Fawzy

Assoc.Prof. Ghada Mohamed Fawzy



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Test Results of Radio Frequency Coaxial Cable for Receivers

- Printed TradeMark on the Tested Cable:

Ecab

- Type:

RG 11

- Code:-

T/103/288/2026

- Cable Description:

The tested cable consists of a conductor made from copper with a measured diameter about 1.22 mm FPE insulation and a shield layer (Aluminium Tape & Aluminium braid). Conductor, insulation, and shield layer are covered with a white PVC jacket.

- Test Results:

No.	Test	Result	Verdict
1	Marking	Marking is legible and in accordance to the manufacturer of the cable assembly.	Pass
2	Visual Inspection	The specimen is visually examined to ensure condition, workmanship, finish, marking, no mechanical damage, ... etc.	Pass
3	Return Loss	The measured return loss values shall be within the specified limits	Pass

Eng/ Abdel Fattah Hesham
شارع التحرير - القليوبية
تليفون: ٣٧٤٩٦٧٣٤ - ٣٣٣٥٦٨٥٢
فاكس: ٣٧٤٩٦٧٣٤ - ٥٦٤



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4	Attenuation (Insertion Loss)	The measured maximum attenuation is less than specified values in the measurement range from 5 to 1000 MHz.	Pass
5	Stability of Insertion Loss	- The cable is wound on a mandrel of radius equal to the dynamic bending radius and using the number of turns indicated in the relevant detail specification. - During and after the test, the specified change of insertion loss given in the relevant detail specification is not exceeded	Pass
6	Voltage Proof	- 2 kV, 50 Hz AC voltage is applied between the inner and outer conductors of the cable for 1 min. - No damage occurs.	Pass

Erg / Abdeljettah Hesham





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Abdelfattah Hesham

Revised by

Assoc.Prof / Mohamed Osama

M.Osama

Head of Institute

Authorized by

M.Osama

Assoc.Prof. Ghada Mohamed Fawzy

