

Technical requirment for:

British-American jumper 2 meter

P/N 361936

Those technical requirements are mandatory parameters for manufacturers & suppliers.

1. Basic information:

The cable **MUST** be compatible to this document.



2. Mechanical demands:

The mechanical demands will meet the Israeli Standard SI 1155 – Audio Frequency Cables.

3. Cable Labeling:

The labels on the product should be clear to read and will include the following description:

361936 British-American jumper cable

4. Color Shade:

The material on the outside of the product (the visible) will be White color with RAL 9003 or 9010 or 9016 shade.

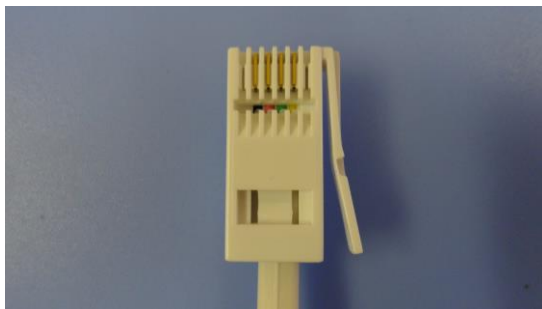
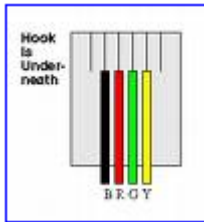
5. Lightning durability:

Materials which are made by isolated material could not be affected by exceptional heat and not from fire.

6. Internal conductor resistance:

The resistance of the internal conductor (7x12mm) which includes the contacts of the telephone plugs on its ends will not be more than 1.5 Ω /m.

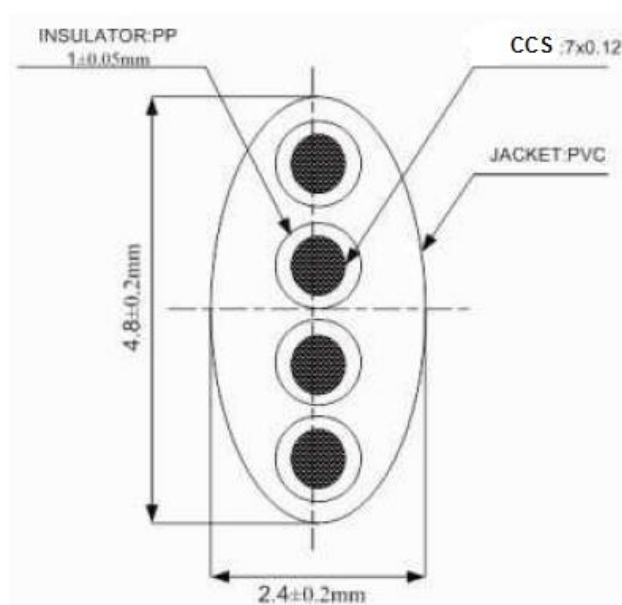
7. Wire Color*



*Notice this is also the right order of the cables, **notice the connector's directions.**

8. Structure and Measurements:

Item		Description
Conductor	Material	CCS : 7×0.12mm
Insulation	Material	Polypropene (PP)
	Nom. Diameter	1±0.05mm
Jacket	Material	PVC
	Nom. Length Diameter	4.8±0.2mm
	Nom. Width Diameter	2.4±0.2mm

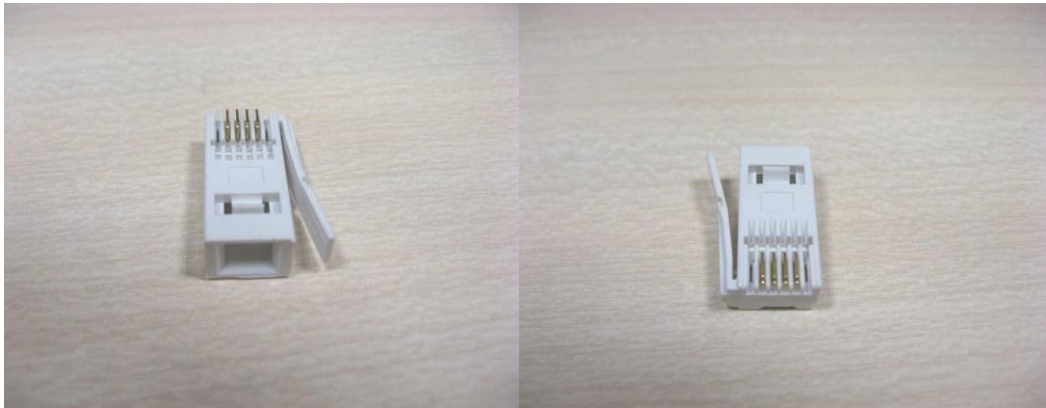


8. British telephone plug with 4 contacts:

The british plug that will connect to the cable will be made exactly according to those following technical requirements:

9.1 Basic information:

The British telephone plug with 4 contacts 30"U – A431 MUST be compatible to this document.



9.2 Color shade:

The material on the outside of the product (the visible) will be white color with RAL 9003 or 9010 or 9016 shade.

9.3 Materials:

The contacts will be made by phosphoric Bronze.

9.4 Covers:

The connector part that needs to be in contact with the conductors will be covered by Gold with thickness of at least 0.75μm on Nickel cover.

9.5 Insertion and withdrawal force:

The structure of the telephone plug and its place on the outlet will prevent the release of the telephone plug by regular usage.

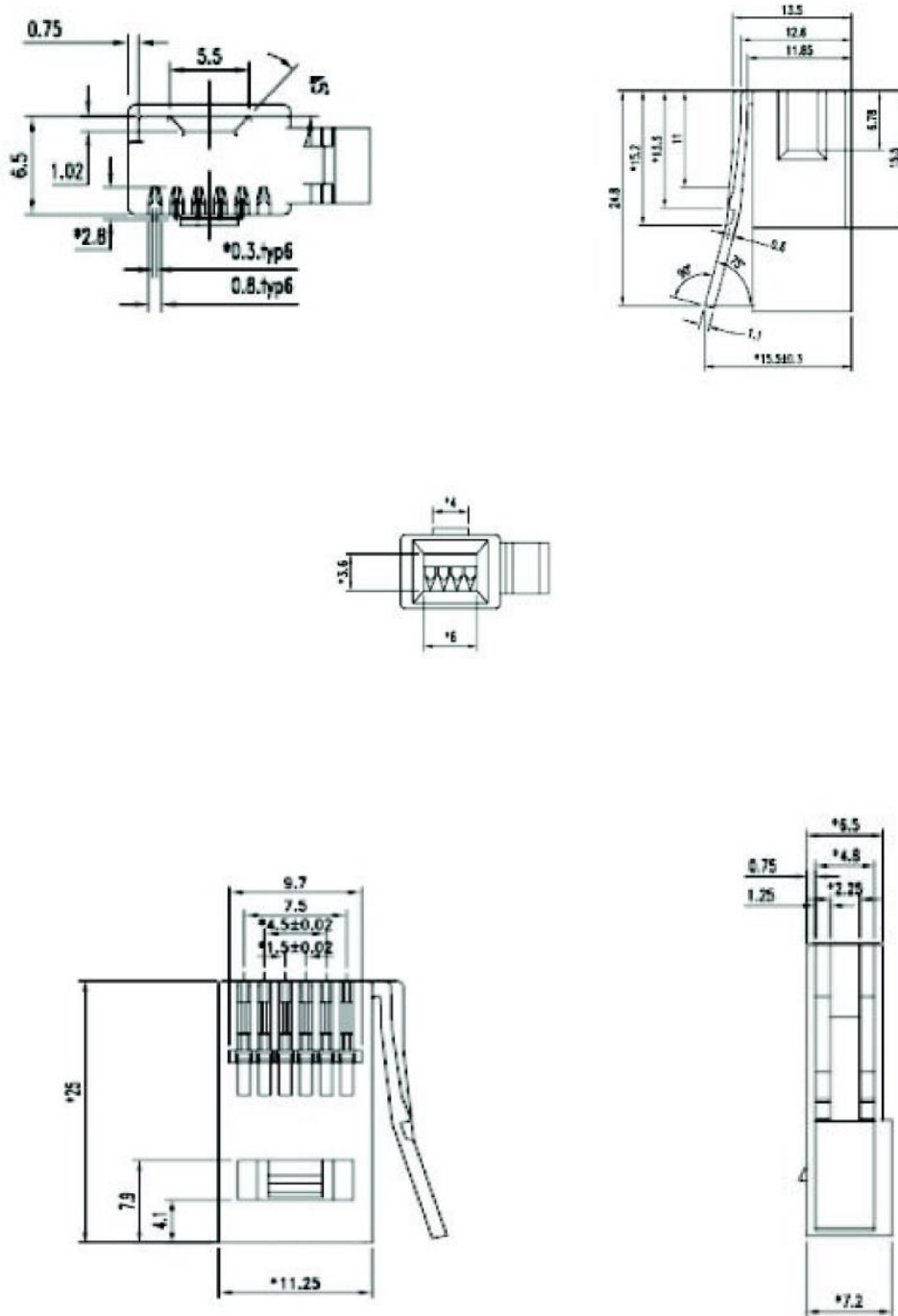
Insertion force will not be more than 10 Newton.

Withdrawal force when the clip of the telephone plug is released will not be more than 10 N, and will not be more than 100 N and less than 50 Newton when the clip of the telephone plug is unreleased.

9.6 Lightning durability:

Materials made by isolating materials could not be affected by irregular heat and not from fire.

9.8 Structure and Measurements:



9.9 Isolation resistant:

The test will be done as described in paragraph 7 in the Israeli Standard IS165. The power of 500 VDC will be loaded between every following two contacts: 1-2, 2-3, 3-4, 4-5, 5-6.

The resistance of the isolation will not be below 100MOhm.

9.10 Isolation breakthrough:

The test will be done as described in paragraph 8 in the Israeli Standard IS165. The power of 1000V at 50Hz will be loaded for one minute between every following two contacts: 1-2, 2-3, 3-4, 4-5, 5-6.

1. There will not be any isolation breakthrough.
2. There will not be any sparkling lights.

9.11 Termination resistance

The initial termination resistance of each contact of the plug will be not more than $25\Omega/\text{m}$ as described in paragraph of BS 6312:1985.

10. American telephone plug with 4 contacts

The American plug that will connect to the cable will be made exactly according to those following technical requirements:

10.1 Basic information:

The American telephone plug with 4 contacts 30"U – RJ11 MUST be compatible to this document.



10.2 Color shade:

The material on the outside and the inside of the product will be with no color (transparent).

10.3 Materials:

The contacts will be made by phosphoric Bronze.

10.4 Covers:

The connector part that needs to be in contact with the conductors will Be covered by Gold with thickness of at least $0.75\mu\text{m}$ on $7\mu\text{m}$ Nickel cover.

10.5 Insertion and withdrawal force

The structure of the telephone plug and its place on the wall plate will prevent the release of the telephone plug by regular usage.

Insertion force will not be more than 22.24 N.

Withdrawal force when the clip of the telephone plug is released will not be more than 44.48 N.

10.6 Lightning durability:

Materials which made by isolated material could not be affected by exception heat and not from fire.

10.7 Telephone plugs' structure and measurements:

Measurements of the American telephone plug will meet the demands of sector 6 of the American Standard ANSI/TIA-968.

The plug will have a slot to insert the telephone line or the end system line. The plug will be planed to be installed with the telephone wires by pressing of manual instrument or by automatic instrument.

The plug will be planed to be plugged into the wall plate in a way that will be easy and be locked in its place.

Removal of the telephone plug will be done after releasing the locking clip by pushing it on the telephone plug itself.

The telephone plug will have place for 6 contacts even thus that in some of the plugs there will be installed only 4 out of the 6.

The telephone plug has to be installed by pressing into it a flat slash wire made by circular conductors. It will be installed after removing the external sleeve, but without removing the isolation of each conductor wire.

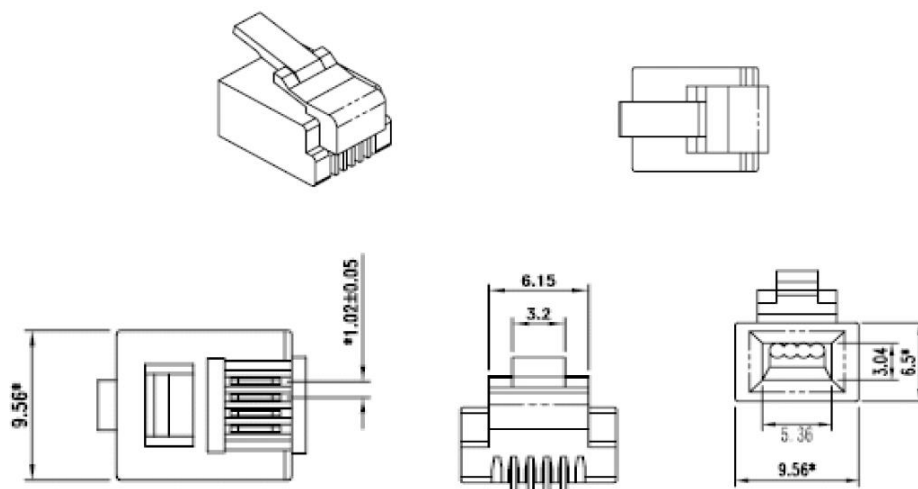
The telephone plugs will feet a wire which has the following external Measurements:

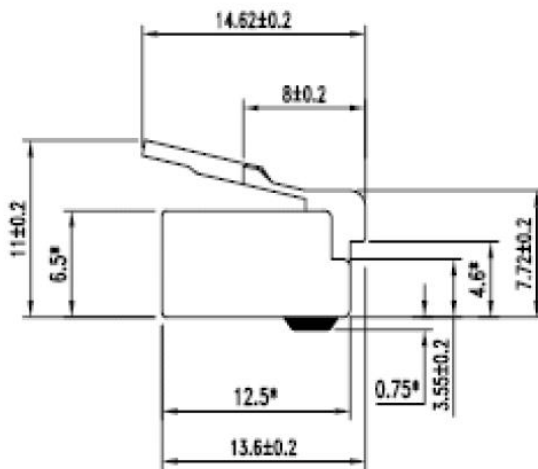
Thickness: 2.0mm up to 3.5mm.

Width: 3.8mm up to 7.9mm.

The telephone plug will be suitable for conductors with face slash of 0.05-0.1sq. mm and that its external diameters including the isolation material are 0.75-1.1mm.

10.7 Structure and Measurements:





10.8 Isolation resistant:

The test will be done as described in paragraph 7 in the Israeli Standard IS165. The power will be loaded between every following two contacts: 1-2, 2-3, 3-4, 4-5, 5-6.

The resistance of the isolation will not be below 100MΩ.

10.9 Isolation breakthrough:

The test will be done as described in paragraph 8 in the Israeli Standard IS165. The power of 1000V at 50Hz will be loaded for one minute between every following two contacts: 1-2, 2-3, 3-4, 4-5, 5-6.

1. There will not be any isolation breakthrough.
2. There will not be any sparkling lights.

10.10 Termination resistance

The initial termination resistance of each contact of the plug will be not more than 25mΩ as described in paragraph of BS 6312:1985.

11. Cable Packing:

- a. **each cable is put into a PE bag;**
- b. PE Bag example:



- c. **Each PE bag should have one label** showing those items on its front side:
 - (1) Producer name and its trademark.
 - (2) Product name and cable length.
 - (3) Catalog No.

Example for **Label for PE Bag:**

British-American jumper 2 m P/N 361936

- d. Label size should be at least: 3cm*5cm

12. Box packing:

12.1 Inner PE bag packing:

12.1.1 Box quantity:

- Every pe bag will contain 50 cables.
- Each cable will be covered by the PE bag with stamp (See paragraph 11)

12.1.2 Each internal BOX will have those items printed (see picture below) on its front side (and opposite side of it) showing:

- (1) Producer name and its trademark.
- (2) Product name and QTY
- (3) Catalog No.

Example to what should be front sides.

British-American jumper 50 units P/N 361936
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12.1.3 The 2 other opposite sides of the box should have RBS logo on them (see picture below).

12.2 Outside box packing:

- a. Each outside (cover) BOX will have those items printed on its 2 front side:

- (1) Producer name and its trademark.
- (2) Product name and qty
- (3) Net weight.
- (4) Gross weight.
- (5) Catalog No.

Print on the OUTSIDE box for example (will be on two opposite sides of the box)

British-American jumper 2 meter (300 units) Net weight. (please measure and add) KGS Gross weight. (please measure and add) KGS P/N 361936
