D E S C R I P T I O N

PRODUCT COVERED:

Component-Separable Wire Connectors, Type Ultra-Fast Series 110. Refer to Ills. 43, 45 through 48 for specific Cat. Nos.

*ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE USE):

These devices are insulated separable terminal connectors for use within electrical appliance enclosures where pushed on terminal tabs. They are factory assembled on wire leads.

Conditions of Acceptability - In order to be judged acceptable as a component of electrical equipment, the following list of conditions should be met.

1) These devices should be used only where they will not interrupt the current.

2) The current carried by each connection shall be judged under the requirements applicable to the electrical equipment in which the devices are used with respect to operating temperatures.

3) The max temperature on the nylon housing should not exceed 105 C.

4) These devices are insulated for use at 600 V max. They may be used at higher voltages where the insulating bodies are not relied on to provide the minimum spacings of the equipment in which they are used.

5) These devices are for factory assembly only, using Type "D" tooling, *on stranded or solid copper wire leads by crimping. See tabulation below.

6) The suitability of the mechanical and electrical connection between the contact and the male tab with which it is used to be judged as part of the equipment in which it is used.

7) The suitability of the insulation shall be judged adequate for the specific voltage rating given in this report, up to the end of the female contact where the slots in the insulation begin. Slots allow clearance of the shoulders on the male tab.

8) The max current rating for Cat. Nos. 3-520370-2 and 3-520371-2 is 8 A. The Temperature Rise Test and Heat Cycling Test were conducted on representative Cat. No. 3-520371-2 at 8 A and 16 A respectively.

T.F.
J.T.

GENERAL CHARACTER AND USE:

The products covered are Size 110 quick-connect connectors intended for assembly on Nos. 14-16, Nos. 22-26 AWG stranded or solid copper wire using this manufacturer's power tools. They are intended for internal wiring of electrical equipment. The quick-connect terminals are for use on copper alloy or plated steel, male production tabs and stranded copper wire sizes.

CONSTRUCTION DETAILS:

The details of construction are illustrated in the following photograph and described in the accompanying illustrations.

Marking - "AMP" wire range "14-16" or "22-26" and size designation 110 are marked on body insulation, accordingly. Additionally, the manufacturer shall indicate an ampere rating of 8 A (max) for wire size No. 14 AWG, for Cat. Nos. 3-520370-2, 3-520371-2.

* On the smallest unit container a statement indicating that the connectors are "for use with Cu wire" or equivalent, effective December 4, 1992.

Shipment in Parts - These devices may be shipped loose piece in cartons or in strips form on reels for factory assembly on wire leads. The cartons and reels are marked with the catalog number and "AMP".

J.P.
J.T.