

CABLE DESCRIPTION

Multi Conductor UL Type
SOOW - 40°C to +90°C CSA
Type SOW 90°C

NOTES

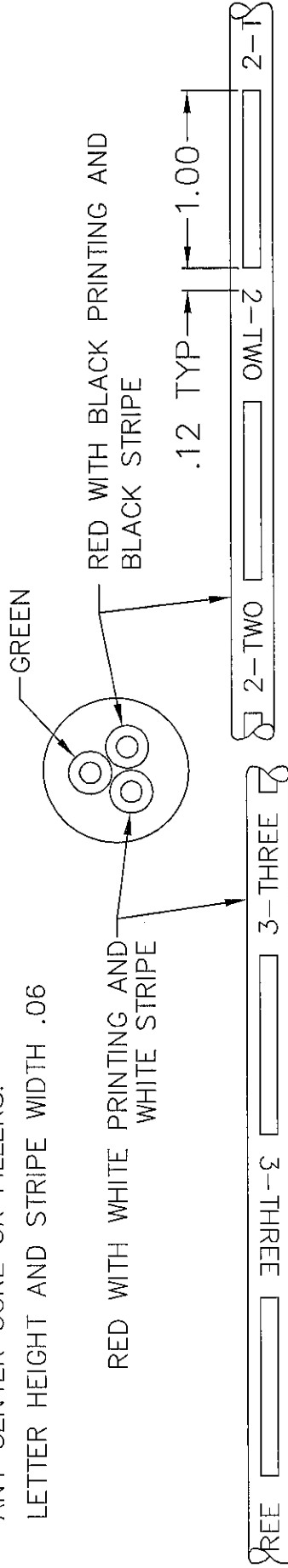
1. This application is for use in molded-to-cable electrical connectors. The overall diameter is therefore critical.
2. Conductors shall be extra flexible #34 tin coated copper. The circular mil area shall be as specified with a +5%, -3% tolerance.
3. Conductor insulation shall be rated for 600 volts, with temperature ratings of 90°C for UL and 90°C for CSA. The material is to be oil resistant thermosetting elastomer, which will strip freely from conductors.
4. The individually insulated conductors shall be cabled together with TPE or neoprene fillers as specified for a round outer diameter free of convolutions. Cabled conductors shall be concentric with respect to the jacket outer diameter. No cotton binder or tissue paper separator shall be used. Individual conductors shall readily separate from each other, from fillers, and from jacket.
5. The outer jacket shall be yellow Chlorinated Polyethylene, flame resistant. The jacket shall not show discoloration (green or otherwise) when exposed to molding temperatures of 340°F for 20 minutes.
6. The cable shall be marked with permanent black ink printing as follows, at least every 12 inches measured from the end of one label to the start of another.
 - a. Size and number of conductors, example 16/3
 - b. SOOW -40°C to +90°C
 - c. SOW, 90°C
 - d. P123MSHA
 - e. Manufacturer name shall not appear on cable.
7. Receiving inspection shall inspect the following:
 - a. Overall diameter per note 1
 - b. Color code and conductor color rotation
 - c. Number of conductors
 - d. Ease of separation of individual conductors per note 4.
8. Cable part numbers referring to this note when purchased in low quantity may have commercial marking⁵ standard UL OD tolerances, bare copper strands, and fillers and binder wrap as provided on standard product.

DWM#603.DOC

601734-1 3 #16 65#34 .030 .060 YELLOW .405±.010

THE INDIVIDUALLY INSULATED CONDUCTORS SHALL BE CABLED TOGETHER WITHOUT ANY CENTER CORE OR FILLERS.

LETTER HEIGHT AND STRIPE WIDTH .06



601734-2 5 #16 65#34 .030 .080 YELLOW .510±.015

THE INDIVIDUALLY INSULATED CONDUCTORS SHALL BE CABLED TOGETHER WITH ONE CENTER CORE. LETTER HEIGHT AND STRIPE WIDTH .06

