

6.2.5 Cable Sheath Identification

All local run cables shall be identified with cable marker at each end i.e., instrument and junction box, or Junction box and Marshalling cabinet end (control room).

All signal conductors should be individually marked on each termination side with the corresponding terminal number.

All cables shall be marked with embossed S. S. Strips attached with PVC covered S.S. bands.

6.2.6 Terminal and Core Identification

Instruments

Signal cable cores to be identified by the terminal number to which they connect.

Junction Box

Signal cable cores to be identified by the terminal number of the Junction box terminal.

Cable Connections in Cabinet

Individual cores shall be identified, adjacent to each terminal to which it is connected. Core numbers shall be the terminal number to which they are connected.

6.2.7 Earthing

Screen Earthing

Cable screens shall be earthed at one point only and connected to the instrument earth. This point shall be at the marshalling cabinet.

Cable screens shall be electrically continuous throughout the cable run. Screen shall be isolated from earth at the field instrument and junction box ends.

Armour Earthing

Armoured cables shall have their steel wire armour (SWA) earthed (i.e. connected to safety earth) at both ends of the cable run. Cable glands shall also be connected to plant earth (safety earth).

Equipment Earthing

Marshalling cabinet and field junction box frames shall be earthed to the nearest safety earth bar using a 4.0mm² stranded green/yellow insulated copper conductor.



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