

ECMA-97, Local Area Networks – Safety Requirements

SCOPE

This Standard applies to Local Area Networks (LAN) which consist of trunk cables, medium access units (MAU), medium interface connectors (MIC) and all cabling between the data terminal equipment (DTE) and network components. MAU may be incorporated in DTE.

This standard applies only to LAN whose normal operating voltage does not exceed 25 V ac rms or 60 V dc, and whose trunk cable provides a conductive path between MAU.

Other methods of construction or designs that provide the same level of safety would also be acceptable. As an example, instead of using permanent earthing as described in 6.3.6, a relay could be used to disconnect the trunk cable when the earth connection is unplugged.

Typical configurations of LAN are given in Appendix B, examples of LAN are described in the Standards referenced in 3.