

International Telecommunication Union

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

K.73

(04/2008)

SERIES K: PROTECTION AGAINST INTERFERENCE

**Shielding and bonding for cables between
buildings**

Recommendation ITU-T K.73



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Shielding and bonding for cables between buildings

Summary

Bonding and earthing of telecommunication installations is done for reliability and personnel safety reasons. The evolution of the power architecture of telecommunication systems has created new installation conditions for equipment. To cover these situations, bonding and earthing configurations need to be defined to ensure that adequate reliability and safety are maintained.

Recommendation ITU-T K.73 analyses the situation in which equipment, connected together, is installed in different buildings with different earthing and power feeding conditions.

This Recommendation also includes installation requirements for equipment located in different buildings, having the same earthing and feeding power conditions, to improve the shielding and bonding of telecommunication and power cable between buildings.

Other Recommendations dealing with bonding and earthing are Recommendation ITU-T K.27, Bonding configurations and earthing inside a telecommunication building, Recommendation ITU-T K.35, Bonding configurations and earthing at remote electronic sites and Recommendation ITU-T K.66, Protection of customer premises from overvoltages. These Recommendations do not cover how equipment installed in these different environments can be interconnected.

Source

Recommendation ITU-T K.73 was approved on 13 April 2008 by ITU-T Study Group 5 (2005-2008) under Recommendation ITU-T A.8 procedure.