



HCS Newsletter

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HCS Category 6 U/UTP LAN Cable conforming to IEC 60332-3-24



Safety of people is compromised when inadequate fire standards are specified for LAN cabling systems. Most installations of LAN cables are done in bundles while the flame test specified in most cases is for single cables only. Most cables presently installed are compliant only with IEC 60332-1, which is not an adequate flame-test for cable bundles – only for a single cable.

A cable selected for installation in bundles in large sites must be LS0H and must comply with the relevant sections of IEC 60332-3 otherwise the safety of the people in the site is compromised.

Unshielded LAN cables are widely used and the most popular cable in LAN cabling is Category 6 U/UTP LS0H.



When CAT6 U/UTP LS0H cables are installed in large sites (as shown in the left picture) they must comply with IEC 60332-3. IEC 60332-1 cannot predict the performance of these cables under fire.



Metal foil shields in LAN cables (F/UTP, U/FTP or S/FTP) act also as partial flame retardants, but in U/UTP LS0H cables the plastic materials are fully exposed to the flames, so these cables must have special design and they must be made from special plastic materials.

HCS is one of the few manufacturers offering CAT 6 U/UTP LS0H horizontal cables which fully conform to IEC 60332-3-24 & 25.

Whenever you design a large site based on Category 6 U/UTP LS0H horizontal cables make sure to demand full compliance with IEC 60332-3-24 and specify HCS P/N H06-C0402.

For detailed information on HCS products please browse the [HCS Online Catalog](#) or contact us at [HCS Istanbul](#).

HCS is the No.1 Turkish supplier of high- performance fiber optic and twisted pair LAN Cabling Systems.

HCS – HES Cabling Systems

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