DataLink 250

Category 6 F/UTP 100 Ohm Modular Cords

HES Cabling Systems
Connecting Networks™

Description

HCS DataLink 250 FTP modular cord series consists of 100 Ohm impedance, 4-pair F/UTP terminated cords for work area, jumper and patching in local area networks (LANs).
HCS DataLink 250 FTP modular cords feature a unique termination and shielding method, combining a full metal case with grip and a strain-relief with a removable boot.
HCS DataLink 250 modular cords exceed all ANSI/TIA-568.2-D and ISO/IEC-11801 (2nd Edition) Category 6 requirements and are specially designed to be backward compatible with all Category 5 and Category 5E jacks.
The HCS DataLink 250 modular cords can be used with either T568A or T568B modular jacks.
The standard color is Gray RAL 7035. 10 different jacket & boot colors are available upon request.

Applications

HCS DataLink 250 F/UTP modular cords support all relevant LAN applications, including the following protocols:

- ☑ 1000BASE-T Gigabit Ethernet
- ☑ ATM 155
- ☑ TP-PMD
- ☑ 100BASE-T Fast Ethernet
- ☑ 100BASE-T2
- ☑ 100BASE-T4
- ☑ 100BASE-TX
- ☑ Token Ring 100 Mbps
- ☑ ATM 52
- ☑ ATM 25
- ☑ 10BASE-T Ethernet
- ☑ Token Ring 4 Mbps and 16 Mbps
- ☑ Broadband and Baseband Video
- ☑ ISDN Basic and Primary Access
- ☑ 1BASE-5 Starlan
- ☑ ISALAN
- ☑ ITU V.21 and X.11

Qualifications and Approvals

All HCS DataLink 250 F/UTP terminated cords are tested at the component level and officially ETL verified for full compliance with ANSI/TIA-568.2-D Category 6.

Benefits & Features

- ➔ Testing every cord prior to shipment - Providing the highest degree of quality assurance.
- ➔ Exceptional material properties and cable design - Providing the highest degree of reliability.
- ➔ High Return Loss and NEXT Loss values - Providing low BER (Bit-Error-Rate) in all applications.
- ➔ 50µ aluminum foil shield - Providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation and maximizing noise immunity.
- ➔ Revolutionary pair lay scheme - Providing an extremely low delay skew.
- ➔ Smooth and limp jacket - Providing comfortable cord handling.
- ➔ Unique DoubleSafe™ Quality Assurance Program - Providing lowest rejection rate available.

PHYSICAL AND MECHANICAL PROPERTIES

4 color-coded, unshielded twisted pairs cabled together, overall foil shielded and jacketed.
Both cable ends terminated with fully shielded modular plug connectors conforming to IEC 60603-7-5.

Basic Cable Conductor	Stranded, 26 AWG, 7x0.16 mm, bare annealed copper
Wire Insulation	Polyolefin
Number of Insulated Conductors	8, twisted in 4 pairs.
Color Code of Pairs	Blue x White/Blue, Orange x White/Orange, Green x White/Green, Brown x White/Brown.
Pair separator	Cross shaped spacer
Overall Shield	Polyester-aluminum foil, foil face out.
Drain Wire	Solid 26 AWG tin-coated annealed copper.
Outer Jacket and Boots	LS0H Halogen free flame retardant or PVC compound.
Standard Jacket and Boot Color	Light Gray RAL 7035. Other colors available upon request.
Standard Surface Marking	Includes HCS P/N, Cable Description, Meter Mark and Batch Number.
Cable to Plug Tensile Strength	9 Kgf (90N) min.
Pulling Force	0.7 Kgf (7N) max.
Storage Temperature	-20 to +80C
Durability	750 mating cycles
Cable OD	6.2 mm nom.
Bend Radius	50 mm min.
Plug Housing Material	Polycarbonate.
Plug Contact Material	50 micro-inches gold plating over 100 micro-inches nickel plated copper alloy.
Temperature Operating Range	-20 to +60C
Flame Test	IEC 60332-1.
Halogen Content in LS0H Cables	Null.