

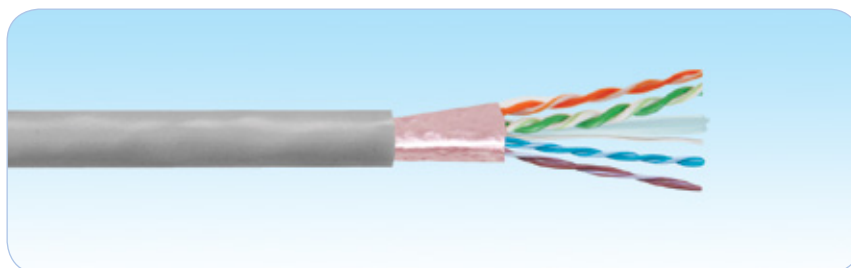
Description

HCS DataLink 250 cable series consists of 100 Ohm impedance, 4-pair and 8-pair F/UTP cables for horizontal installations in local area networks (LANs). All cables fully conform to and provide a substantial margin above all Category 6 requirements of ANSI/TIA/568-C.2 and IEC 61156-5.

Applications

HCS DataLink 250 Horizontal cables 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

HCS DataLink 250 Cables are tested and verified for full compliance with the following standards:

- Category 6 according to ANSI/TIA/568-C.2
- Category 6 according to IEC 61156-5 (for ISO/IEC-11801 2nd Edition).
- 250 MHz according to CENELEC EN 50288-5

Benefits & Features

- Testing every box or reel of cable prior to shipment - Providing the highest degree of quality assurance.
- Exceptional material properties and cable design - Providing a unique Century™ Lifetime Warranty.
- High ACR values - Providing low BER (Bit-Error-Rate) in all applications.
- Extremely high pair-balance - Providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation and maximizing noise immunity.
- Revolutionary pair lay scheme - Providing an extremely low delay skew.
- Co-extruded crisp and clear spiral color coding of wires - Providing positive wire identification and ease of installation.
- Descending sequential meter mark - Providing easy stock and left-over handling.
- Smooth and rigid jacket - Providing fast and easy cable pulling and installation.
- Batch number printed every meter - Providing fast retrieval of test results from data-base.
- A comprehensive product range - Providing all state-of-the-art cable constructions.
- Large variety of packaging options - Providing minimum scrap and left-over cable sections.
- Unique DoubleSafe™ Quality Assurance Program - Providing lowest rejection rate available.

PHYSICAL AND MECHANICAL PROPERTIES

4 color-coded, unshielded twisted pairs cabled together around a star-shaped filler, Overall Taped-wrapped with a polyester tape and an aluminum foil and overall jacketed. Siamese (Figure-8) cables are made of two identical 4-pair cables connected in a zip-cord formation, one cable identified with two raised ribs on the jacket surface.

Basic Conductor	Solid, 23AWG, bare annealed copper
Insulation	Polyolefin
Number of Insulated Conductors	8, twisted in 4 pairs. (8 pairs in FIG-8 cables)
Color Code of Pairs	Blue x White/Blue, Orange x White/Orange, Green x White/Green, Brown x White/Brown.
Overall Tape Wrap	Plastic tape, providing 100% coverage.
Drain wire	24 AWG solid tin-coated copper conductor laid in close contact under the shield.
Overall Shield	Laminated aluminum foil (foil face in) providing 100% coverage.
Outer Jacket	LSOH Halogen free flame retardant or PVC compound.
Standard Jacket Color	Light Gray RAL 7035. Other colors available upon request.
Standard Surface Marking	Includes HCS P/N, Cable Description, Meter Mark and Batch Number.
Pulling Force	50 N/mm ² max.
Short Term Bend Radius	8xOD mm
Long Term Bend Radius	4xOD mm
Storage Temperature	-20 to +80C
Temperature Operating Range	-20 to +60C
Flame Test	IEC 60332-1, IEC 60332-3-24 or IEC 60332-3-25
Conductor Size Test	UL 444.
Halogen Content in LSOH Cables	Null.