DataLink 100e

Category 5E SF/UTP 100 Ohm LAN Patch Cables

HES Cabling Systems
Connecting Networks™

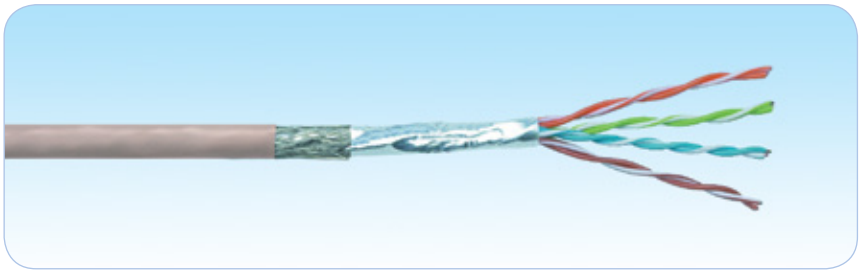
Description

HCS DataLink 100E patch cable series consists of 100 Ohm impedance, 4-pair SF/UTP cables for work-area, jumper and patch cord use in local area networks (LANs). All cables fully conform to and provide a substantial margin above all Category 5E requirements of ANSI/TIA/568-C.2 and IEC 61156-6.

Applications

HCS DataLink 100E patch 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 100E patch cables support all presently available LAN applications, including the following protocols:

- ➔ Category 5E according to ANSI/TIA/568-C.2
- ➔ Category 5E according to IEC 61156-6 (for ISO/IEC-11801 2nd Edition).
- ➔ 100 MHz according to CENELEC EN 50288-2
- ➔ Category 5 according to ICEA S-90-661-1997

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 long lasting patch-cords.
- ➔ 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.
- ➔ 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, Overall Taped-wrapped with a polyester tape, shielded with an aluminum foil plus a tin-coated copper braid and overall jacketed.

Basic Conductor	Stranded, 26AWG, bare annealed copper
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.
Overall Tape Wrap	Polyester tape, providing 100% coverage.
Overall Inner Shield	Laminated aluminum foil (foil face outward) providing 100% coverage.
Overall Outer Shield	Tin coated copper braid, laid in close contact over the foil.
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
Installation Temperature Range	0 to +50C
Flame Test	IEC 60332-1
Conductor Size Test	UL 444.
Halogen Content in LSOH Cables	Null.