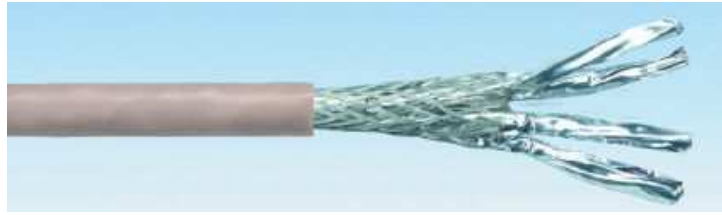




DataLink 1000

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Category 7_A S/FTP 100 Ohm Horizontal LAN Cables



Description

HCS DataLink 1000 cable series consists of 100 Ohm impedance, 4-pair and 8-pair S/FTP cables for horizontal installations in local area networks (LANs). All cables fully conform to and provide a substantial margin above all Category 7_A requirements of IEC 61156-5 (Specified in ISO/IEC 11801).

Applications

HCS DataLink 1000 Horizontal cables support all presently available and future LAN applications, including the following protocols:

- Broadband Digital and Analog CATV signals up to 1000 MHz
- SOHO and multiple simultaneous applications on all 4 pairs
- 10GBASE-T 10 Gigabit Ethernet
- 1000BASE-T 1 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 Acces
- 1BASE-5 Starlan
- ISALAN
- ITU V.21 and X.11

Qualifications and Approvals

HCS DataLink 1000 Cables are tested and verified for full compliance with the following standards:

- Category 7_A according to IEC 61156-5 (for ISO/IEC-11801 2nd Edition).

Benefits & Features

- Exceptional transmission properties - suitable for 10GBE applications on 100m channels.
- Testing every 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 and double shield - providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation, maximizing noise immunity and preventing any alien-crosstalk (AXT).
- Revolutionary pair lay scheme - providing an extremely low delay skew.
- Descending sequential meter mark - providing easy stock and left-over handling.
- Smooth and rigid jacket - proving 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.
- Full compliance with EU Directive 2002/95/CE (RoHS).

Physical and Mechanical Properties

4 color-coded, individually foil shielded twisted pairs cabled together, overall shielded with a tin-coated copper braid 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 a longitudinal rib.

Basic Conductor	Solid, 22AWG, 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, Orange x White, Green x White, Brown x White.
Individual pair shield	Polyester-aluminum foil (foil face out), providing 100% coverage.
Overall shield	Tin coated copper braid, laid in close contact over the inner foils.
Outer Jacket	LS0H 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, IEC 60332-3-24 or IEC 60332-3-25.
Halogen content in LS0H cables	Null.

HES Cabling Systems