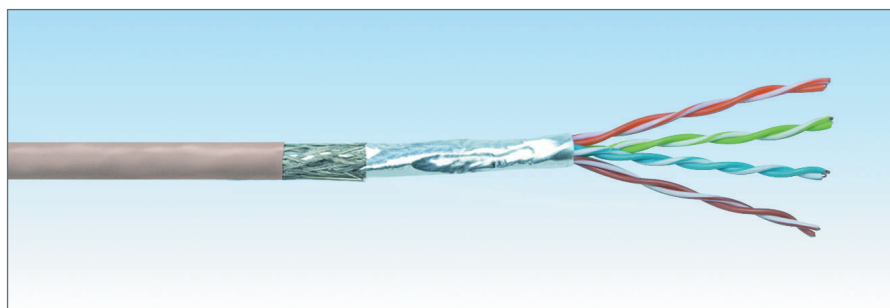


Category 5e SFTP 100 Ohm Horizontal LAN Cables



Description

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

Applications

HCS DataLink 100e Horizontal cables support all presently available 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 Cables are tested and verified for full compliance with the following standards:

- Category 5e according to ANSI/TIA/EIA-568-B.2
- Category 5e according to IEC 61156-5 (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 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 - 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.

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. 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, 24AWG, 0.5 mm, 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 : | Polyester tape, providing 100% coverage. |
| Overall inner shield : | Laminated aluminum foil (foil face outward) providing 100% coverage. |
| Overall outer shield : | Tin coated copper braid, providing 40% coverage, 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 |
| Halogen content in LSOH cables | Null. |