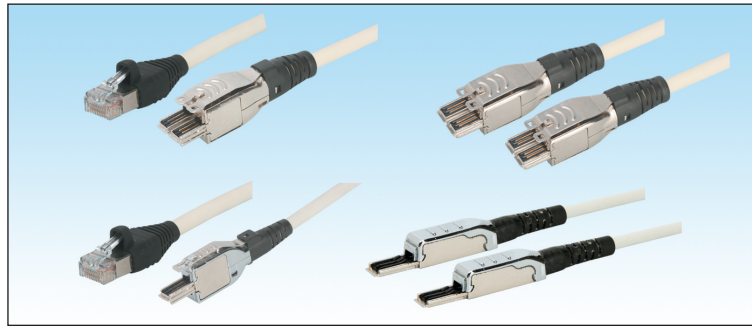


## Shielded DL-1200 Modular Cords



### Description

HCS DataLink DL-1200 modular cord series consists of 100 Ohm impedance, 1 to 4-pair S/STP terminated cords for work area, jumper and patching in local area networks (LANs). HCS DataLink DL-1200 modular cords exceed all present standards requirements and are specially designed to provide outstanding Alien Crosstalk Loss. HCS DataLink DL-1200 modular cords are available in several different configurations. The DL-1200 to DL-1200 patch cords deliver twice the bandwidth of category 7/class F specifications when combined with the DL-1200 outlet. While current specifications characterize connector performance up to 1000 MHz, DL-1200 delivers up to 1.2 GHz of bandwidth per pair. This extra bandwidth is critical for demanding applications like broadband video, with an upper frequency requirement of 862 MHz, or the convergence of video, voice and data onto a single 4-pair cable and outlet. DL-1200 to RJ-45 plug cord options are available. 1- and 2-pair plug modularity allows multiple applications to be served from a single 4-pair outlet.

### Applications

HCS DataLink 1200 Horizontal cables support all presently available and future LAN applications, including the following:

- 10 Gigabit Ethernet - Type 10GBASE-T
- Broadband Digital and Analog CATV signals up to 1200 MHz
- SOHO and multiple simultaneous applications on all 4 pairs.
- 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 ve 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 DL-1200 modular cords are tested and verified for full compliance with the following standards:

- Category 7A according to ISO/IEC-11801
- Augmented Category 6 according to ANSI/TIA/EIA-568-B.2-10
- Category 7 according to ISO/IEC-11801
- Category 6 according to ANSI/TIA/EIA-568-B.2-1
- Category 6A according to ISO/IEC-11801
- Category 5e according to ANSI/TIA/EIA-568-B.2

### Benefits & Features

- ✓ DL-1200 cords deliver 1200 MHz bandwidth - supporting shared applications and broadband video.
- ✓ Testing every cord prior to shipment - providing the highest degree of quality assurance.
- ✓ Unique termination method - suitable for field terminations.
- ✓ 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.
- ✓ Extremely high pair-balance and overall cable & connector shield - providing excellent alien crosstalk loss and noise immunity.
- ✓ Revolutionary pair lay scheme - providing an extremely low delay skew.
- ✓ Smooth and limp jacket - proving comfortable cord handling.
- ✓ Unique DoubleSafe™ Quality Assurance Program providing lowest rejection rate available.

### Physical and Mechanical Properties of 4-Pair Cords

4 color-coded, individually foil shielded twisted pairs cabled together, overall braid shielded and jacketed. Cable ends terminated with various types of modular plug connectors .

|                                |   |
|--------------------------------|---|
| 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.     |
| Individual pair shield         | Polyester-Aluminum foil, providing 100% coverage with 25% overlap, aluminum facing out. |
| Overall shield                 | Tinned copper braid laid in close contact with the individual foil shields.             |
| Drain wire                     | None.   |
| Outer Jacket and boots         | LSOH 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                  | 1 Kgf (10N) max.  |
| Storage Temperature            | -20 to +80C   |
| Durability                     | 750 mating cycles   |
| Cable OD                       | 6.5 mm nom.   |
| Bend radius                    | 25 mm min.  |
| Temperature operating range    | -20 to +60C   |
| Flame Test                     | IEC 60332-1.  |
| Halogen content in LSOH cables | Null.   |