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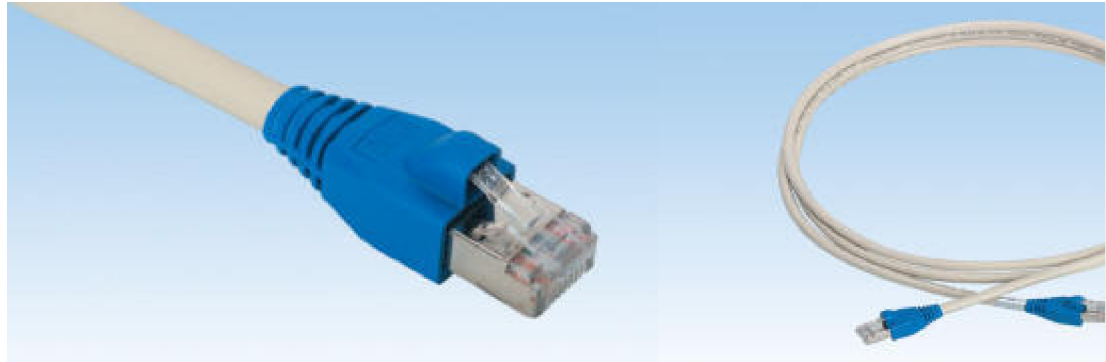
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DataLink 500 A



DataLink 500 A

Augmented Category 6 F/UTP 100 Ohm Modular Cor



Description

HCS DataLink 500A modular cord series consists of 100 Ohm impedance, 4-pair F/UTP terminated cords for work area local area networks (LANs). HCS DataLink 500A modular cords feature a unique termination method, combining strapping and molding into the RJ-45 plug with a removable boot. This design provides the advantages of both molded and non-molded termination. HCS DataLink 500A modular cords exceed all ANSI/TIA-568-C.2 requirements for Augmented Category 6 needed to support applications such as Gigabit Ethernet. HCS DataLink 500A modular cords are specially designed to provide outstanding Alien Crosstalk Loss. HCS DataLink 500A modular cords can be used with modular jacks. The standard jacket color is gray RAL 7035, but they are available in 10 different jacket colors.

Applications

HCS DataLink 500A modular cords support all presently available and future LAN applications, including the following:

- | | |
|-------------------------------|-------------------------------|
| 10GBASE-T 10 Gigabit Ethernet | ATM 52 |
| 1000BASE-T 1 Gigabit Ethernet | ATM 25 |
| ATM 155 | 10BASE-T Ethernet |
| TP-PMD | Token Ring 4 Mbps and 16 Mbps |
| 100BASE-T "Fast Ethernet" | Broadband and Baseband Video |
| 100BASE-T2 | ISDN Basic and Primary Access |
| 100BASE-T4 | 1BASE-5 Starlan |
| 100BASE-TX | ISALAN |
| Token Ring 100 Mbps | ITU V.21 and X.11 |

Qualifications and Approvals

HCS DataLink 500A Cables are tested and verified for full compliance with the following standards:

- n Augmented Category 6 according to ANSI/TIA-568-C.2
- n Category 6 according to ANSI/TIA-568-C.2
- n Category 6 according to ISO/IEC-11801 (2nd Edition)

Benefits & Features

- i Testing every cord prior to shipment - providing the highest degree of quality assurance.
- i Unique double termination method - providing the advantages of both molded and non-molded termination
- i Exceptional material properties and cable design - providing the highest degree of reliability.
- i High Return Loss and NEXT Loss values - providing low BER (Bit-Error-Rate) in all applications.
- i Extremely high pair-balance and overall cable shield - providing excellent alien crosstalk loss and noise immunity.
- i Revolutionary pair lay scheme - providing an extremely low delay skew.
- i Smooth and limp jacket - providing comfortable cord handling.
- i Unique DoubleSafe™ Quality Assurance Program providing lowest rejection rate available.

Physical and Mechanical Properties

4 color-coded, unshielded twisted pairs cabled together around a central cross-shaped filler, overall foil shielded a