



### Description

HCS DataLink 500A cable assemblies consist of custom-made LSOH pre-terminated 100 Ohm 4-pair LAN cables bundled together, designed for fast and easy installation in data-centers and other high-density locations. Full conformance to TIA-568-C Category 6A and ISO/IEC 11801 Class EA is guaranteed by the selection of Category 6A officially verified components and by 100% testing of each permanent link inside the bundle prior to shipment. HCS DataLink 500A cable assemblies are bundled with special halogen-free and flame-retardant semi-loose sleeves providing limp and easy-to-bend, re-shapeable bundles, which are ideal for tight places and high-density locations. The bundles are marked on both sides with numbered labels for fast and easy identification. HCS DataLink 500A cable assemblies are available in shielded or unshielded versions, in lengths ranging from 5 to 90 meters and with Category 6A, Category 7 or Category 7A cables and are in full compliance with TIA-942, ISO/IEC 24764 and EN 50173-5. The standard cable jacket color is gray (RAL 7035) but other colors available upon request.

### Applications

HCS DataLink 500A cable assemblies support all presently available LAN applications, including the following protocols:

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

### Qualifications and Approvals

HCS DataLink 500A Cable assemblies are 100% tested and verified for full compliance with the following standards:

- Category 6A Permanent Link according to ANSI/TIA-568-C.2
- Class EA Permanent Link according to ISO/IEC-11801 (2nd Edition)
- Class EA Permanent Link according to CENELEC EN 50173.

### Benefits & Features

- Testing every assembly prior to shipment -providing the highest degree of quality assurance.
- Custom-made designs -providing the exact assembly needed for every job and location.
- Unique LSOH sleeves -providing limp, easy to re-shape and install assemblies, ideal for data-centers.
- 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 shield -providing excellent alien crosstalk loss and noise immunity.
- Revolutionary pair lay scheme -providing an extremely low delay skew.
- All Category 6A verified components -providing full backward compatibility and interoperability.
- 100% LSOH assemblies -providing safe usage in high-density and closed location.
- Unique DoubleSafe™ Quality Assurance Program - Providing lowest rejection rate available.