

### Description

HCS DataLink 2000 S/FTP modular cord series consists of 100 Ohm impedance, 4-pair S/FTP LSOH RJ45 terminated cords for work area, jumper and patching in local area networks, verified in a Class I, Category 8 Channel. HCS DataLink 2000 S/FTP modular cords may be terminated with field-terminated FT RJ45 plugs or with standard crimped RJ45 plugs.

HCS DataLink 2000 S/FTP modular cords exceed the ISO/IEC-11801 Class I channel limits and ANSI/TIA-568.2-D Channel limits and are backward compatible with all lower categories jacks.

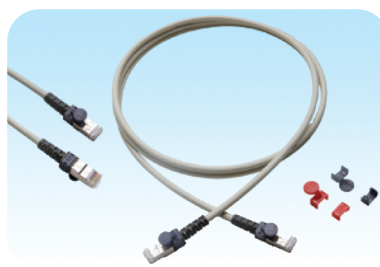
HCS DataLink 2000 S/FTP modular cords can be used with either T568A or T568B wired jacks.

The standard jacket color is Gray RAL 7035. 10 different jacket & boot colors are available upon request.

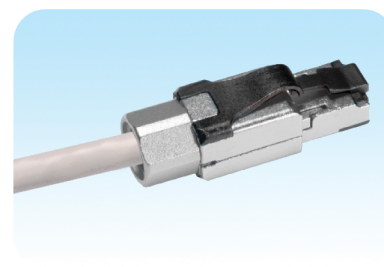
### Applications

HCS DataLink 2000 S/FTP modular cords support all relevant LAN applications, including the following protocols:

- ☑ IEEE 25/40GBASE-T
- ☑ IEEE 10GBASE-T
- ☑ IEEE 1000BASE-T
- ☑ ATM 155
- ☑ TP-PMD
- ☑ 100BASE-T
- ☑ 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



Standard RJ45 Plug Termination



Field Terminated RJ45 Plug

### Qualifications and Approvals

All HCS DataLink 2000 S/FTP terminated cords are tested at the component level and officially 3P (Third Party Testing) verified in ISO/IEC 11801 Class I Channel & Category 8 ANSI/TIA-568.2-D Channel Limit.

### Benefits & Features

- ➔ Testing every cord prior to shipment - Providing the highest degree of quality assurance.
- ➔ 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.
- ➔ Individual foil + overall copper braid - Providing excellent EMC (Electromagnetic Compatibility), minimizing radiation and maximizing noise immunity.
- ➔ Revolutionary pair lay scheme - Providing an extremely low delay skew.
- ➔ Smooth and limp jacket - Providing comfortable cord handling.
- ➔ Unique DoubleSafe™ Quality Assurance Program - Providing lowest rejection rate available.

## PHYSICAL AND MECHANICAL PROPERTIES

4 color-coded, individually foil shielded twisted pairs cabled together, overall Shielded with tin-coated copper braid and overall jacketed with LSOH compound for indoor use. Both cable ends terminated with fully shielded modular RJ45 plugs.

Basic Cable Conductor	26AWG, 7x0.16mm, Bare annealed copper
Wire Insulation	Polyolefin
Number of Insulated Conductors	8, twisted in 4 pairs.
Color Code of Pairs	Blue x White, Orange x White, Green x White, Brown x White.
Individual Pair Shield	Polyester-aluminum, foil face out, providing 100% coverage.
Overall Shield	Tin-coated copper braid.
Drain wire	None.
Outer Jacket	LSOH Halogen free flame retardant compound.
Standard Jacket Color	Light Gray RAL 7035. Other colors available upon request.
Boot Color	Metal
Standard Surface Marking	Includes HCS P/N, Cable Description, Meter Mark and Batch Number.
Cable to Plug Tensile Strength	90N min.
Pulling Force	7N max.
Storage Temperature	-20 to +60C
Durability	750 mating cycles
Cable OD	6.5 mm nom.
Bend Radius	25 mm min.
Plug Housing Material	Polycarbonate and metal.
Plug Contact Material	50 micro-inches gold plating over 100 micro-inches nickel plated copper alloy.
Temperature Operating Range	-20 to +60C
Flame Test (of cable)	IEC 60332-1.
Halogen Content	Null.