

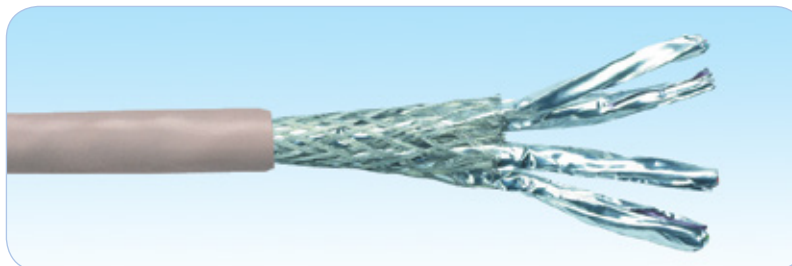
### Description

HCS DataLink 2000 cable series consists of 100 Ohm impedance, 4-pair and 8-pair 23AWG or 22AWG S/FTP cables for horizontal installations in local area networks (LANs). All cables fully conform to and provide a substantial margin above all TIA-568-C.2-1 Category 8, IEC 61156-9 Category 8.1 and 8.2 requirements. All cables fully support IEEE 802.3at 2009 Part 3 Amendment 3 including PoE+.

### Applications

HCS DataLink 2000 Horizontal cables support all presently available and future LAN applications, including the following protocols:

- ☑ IEEE 802.3bq-2016 25GBASE-T and 40GBASE-T
- ☑ Broadband Digital and Analog CATV signals up to 1000 MHz
- ☑ SOHO and multiple simultaneous applications on all 4 pairs
- ☑ IEEE 802.3an 10GBASE-T 10 Gigabit Ethernet
- ☑ 1000BASE-T 1 Gigabit Ethernet
- ☑ ATM 155
- ☑ TP-PMD
- ☑ 100BASE-T "Fast Ethernet"
- ☑ 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 2000 Cables are tested and verified for full compliance with the following standards:

- ➔ Category 8 according to ANSI/TIA-568-C.2-1
- ➔ Category 8.1 according to IEC 61156-9 (FDIS)
- ➔ Category 8.2 according to IEC 61156-9 (FDIS)

### Benefits & Features

- ➔ Exceptional transmission properties - support 25GBE and 40GBE on 30m channels.
- ➔ Testing every 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 and double shield - providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation, maximizing noise immunity and preventing any alien-crosstalk (AXT).
- ➔ Revolutionary pair lay scheme - providing an extremely low delay skew.
- ➔ 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.
- ➔ Full compliance with EU Directive 2011/65/EU (RoHS-2).

## PHYSICAL AND MECHANICAL PROPERTIES

4 color-coded, individually foil shielded twisted pairs cabled together, overall shielded with 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, 23AWG or 22AWG, 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, Orange x White, Green x White, Brown x White.
Individual Pair Shield	Polyester-aluminum foil (foil face out), providing 100% coverage.
Overall Shield	Tin coated copper braid, laid in close contact over the inner foils.
Outer Jacket	LSOH Halogen free flame retardant 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 <sup>2</sup> max.
Short Term Bend Radius	8xOD mm
Long Term Bend Radius	4xOD mm
Storage Temperature	-20 to +80C
Operating Temperature	-20 to +60C
Installation Temperature	0 to +50C
Optional Flame Tests	IEC 60332-1, IEC 60332-3-24 or IEC 60332-3-25.
Conductor Size Test	UL 444.
LSOH cables gas & smoke tests	IEC 60754 (gas) & IEC 61034 (smoke)