

Description

HCS DataLink 100 SF/UTP cable series consists of 100 Ohm impedance, 4-100 pair overall double-shielded cables (aluminum foil plus copper braid = SF/UTP) for horizontal and backbone installations in local area networks (LANs). All cables fully conform to and provide a substantial margin above all Category 5 TIA/EIA-568-A and ISO/IEC-11801 requirements.

Applications

HCS DataLink 100 SF/UTP cables support the following protocols:

- ☑ ATM 155
- ☑ 100 Mbps TP-PMD
- ☑ 100BASE-T Fast Ethernet
- ☑ ATM 25
- ☑ 10BASE-T Ethernet
- ☑ Token Ring 4 Mbps and 16 Mbps
- ☑ ISDN Basic and Primary Access
- ☑ 1BASE-5 Starlan
- ☑ ISALAN
- ☑ ITU V.21 and X.11



Qualifications and Approvals

HCS DataLink 100 SF/UTP Cables are tested and verified for full compliance with the following standards:

- ➔ Category 5 according to ANSI/TIA/EIA-568-A-1995
- ➔ Category 5 according to ISO/IEC-11801-1995

Benefits & Features

- ➔ 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 overall foil + braid shield - Providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation and maximizing noise immunity.
- ➔ Revolutionary pair lay scheme - Providing an extremely low delay skew.
- ➔ Co-extruded crisp and clear spiral color coding of wires - Providing positive wire identification and ease of installation.
- ➔ Descending sequential meter mark - Providing easy stock and left-over handling.
- ➔ Smooth and rigid jacket - Providing 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.

PHYSICAL AND MECHANICAL PROPERTIES

4-100 Color-coded, unshielded twisted pairs cabled together, Overall Shielded with polyester-aluminum foil + tinned-copper braid and jacketed.

Basic Conductor	Solid, 24AWG, bare annealed copper, PO Insulated.
Total Number of Twisted Pairs	4-100
Color Code	Color table No. 1.
Overall Tape	Polyester, providing 100% coverage.
Overall Inner Shield	Polyester-Aluminum foil, providing 100% coverage.
Overall Outer Shield	Tinned copper braid, laid in close contact over the inner foils.
Outer Jacket	LSOH Halogen free flame retardant or PVC 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 ² max.
Short Term Bend Radius	8xOD mm
Long Term Bend Radius	4xOD mm
Storage Temperature	-20 to +80C
Temperature Operating Range	-20 to +60C
Flame Test	IEC 60332-1
Conductor Size Test	UL 444.
Halogen Content in LSOH Cables	Null.