

### Description

HCS DataLink 100 F/UTP cable series consists of 100 Ohm impedance, 4-100 pair overall foil-shielded (F/UTP) cables 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 F/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 F/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 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 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 Shield	Polyester-Aluminum foil + 24AWG Solid TC drain wire, providing 100% coverage.
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 <sup>2</sup> 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.