

Description

HCS DataLink 16 outdoor cable series consists of 100 Ohm impedance, 4-900 pair F/UTP cables for outdoor installations. All cables fully conform to and provide a substantial margin above all Category 3 ANSI/TIA/568-C.2 & IEC 61156-4 transmission properties.

Applications

HCS DataLink 16 Horizontal and backbone cables support the following protocols:

- ☑ 10BASE-T Ethernet
- ☑ Token Ring 4 Mbps
- ☑ ISDN Basic and Primary Access
- ☑ 1BASE-5 Starlan
- ☑ ISALAN
- ☑ ITU V.21 and X.11



Qualifications and Approvals

HCS DataLink 16 Cables are tested and verified for full compliance with the transmission properties of following standard:

- ➔ Category 3 according to ANSI/TIA/568-C.2
- ➔ Category 3 according to IEC 61156-4

Benefits & Features

- ➔ Exceptional material properties and cable design - Providing a unique Century™ Lifetime Warranty.
- ➔ Extremely high pair-balance - Providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation and maximizing noise immunity.
- ➔ Revolutionary pair lay scheme - Providing an extremely low delay skew.
- ➔ Overall 50µm Aluminum shield- Providing excellent EMC.
- ➔ 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.
- ➔ Petroleum jelly core filling - Providing an efficient longitudinal water protection.
- ➔ Heavy duty, UV resistant PE outer jacket - Providing a long term protection in harsh conditions.
- ➔ 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.
- ➔ Unique DoubleSafe™ Quality Assurance Program - Providing lowest rejection rate available.

PHYSICAL AND MECHANICAL PROPERTIES

4-900 Color-coded, unshielded twisted pairs cabled together and Overall Shielded with a 50µm aluminum foil. Jelly filling and black PE outer jacket render the cable suitable for outdoor installations.

Basic Conductor	Solid, 24AWG, bare annealed copper.
Insulation	Polyolefin.
Core construction	All twisted pairs cabled in a concentric formation.
Color Code	Next page.
Core Filling	Petroleum jelly.
Overall Shield	50µm aluminum foil providing 100% coverage laid in close contact with a TC drain wire.
Outer Jacket	Heavy duty UV resistant PE jacket.
Jacket Color	Black
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
Conductor Size Test	UL 444.
Temperature Operating Range	-20 to +60C