

Description

HCS DataLink 16 outdoor cable series consists of 100 Ohm impedance, 4-1200 pair U/UTP cables for outdoor installations. All cables fully conform to and provide a substantial margin above all Category 3 ANSI/TIA/568-C.2 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 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.
- ➔ 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.
- ➔ Heavy duty, UV resistant PE outer jacket - Providing a long term protection in harsh conditions.
- ➔ Petroleum jelly core filling - Providing an efficient longitudinal water protection.
- ➔ 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

4-1200 Color-coded, unshielded twisted pairs cabled together, and tape wrapped. A black PE outer jacket render the cable suitable for outdoor installations.

Basic Conductor	Solid, 24AWG, bare annealed copper.
Insulation	Polyolefin.
Color Code	See below Color Code table.
Core Filling	Petroleum jelly.
Overall Tape wrap	Plastic binders.
Inner Jacket	None.
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

COLOR CODE - WIRE COLOR INSIDE EACH 25-PAIR GROUP

Pair No.	Color Code	Pair No.	Color Code
1	White x Blue	13	Black x Green
2	White x Orange	14	Black x Brown
3	White x Green	15	Black x Gray
4	White x Brown	16	Yellow x Blue
5	White x Gray	17	Yellow x Orange
6	Red x Blue	18	Yellow x Green
7	Red x Orange	19	Yellow x Brown
8	Red x Green	20	Yellow x Gray
9	Red x Brown	21	Violet x Blue
10	Red x Gray	22	Violet x Orange
11	Black x Blue	23	Violet x Green
12	Black x Orange	24	Violet x Brown
		25	Violet x Gray