

Description

HCS DataLink 16 indoor cable series consists of 100 Ohm impedance, 4-300 pair F/UTP cables for indoor horizontal and backbone installations in local area networks (LANs). All cables fully conform to and provide a substantial margin above all Category 3 ANSI/TIA/568-C.2 & IEC 61156-4 transmission requirements.

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.
- ➔ Overall 50µm Aluminum shield- Providing excellent EMC.
- ➔ 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.
- ➔ Unique DoubleSafe™ Quality Assurance Program - Providing lowest rejection rate available.

PHYSICAL AND MECHANICAL PROPERTIES

4-300 Color-coded, unshielded twisted pairs cabled together, Overall Shielded with a 50µm aluminum foil and overall jacketed.

Basic Conductor	Solid, 24AWG, bare annealed copper, PO Insulated.
Insulation	Polyolefin.
Core construction	All twisted pairs cabled in a concentric formation.
Color Code	Next page.
Overall Shield	50µm aluminum foil providing 100% coverage laid in close contact with a TC drain wire.
Outer Jacket	LSOH Halogen free flame retardant or PVC compound.
Standard Jacket Color	Light Gray RAL 7035. Other color 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.
LSOH cables tests	IEC 60754 (Smoke acidity) & IEC 61034 (Smoke opacity)

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