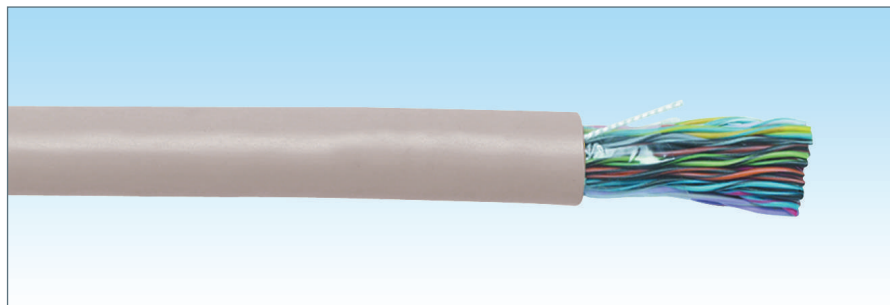


Category 3 UTP 100 Ohm Horizontal and Backbone Indoor LAN Cables



Description

HCS DataLink 16 indoor cable series consists of 100 Ohm impedance, 4-300 pair 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 TIA/EIA-568-B.2 requirements.

Applications

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

- 10BASE-T Ethernet
- 1BASE-5 Starlan
- Token Ring 4 Mbps
- ISALAN
- ISDN Basic and Primary Access
- 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/EIA-568-B.2

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.
- ✓ Descending sequential meter mark - providing easy stock and left-over handling.
- ✓ Smooth and rigid jacket - proving 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

4-100 Color-coded, unshielded twisted pairs cabled together and overall jacketed.

Basic Conductor :	Solid, 24AWG, 0.5 mm, bare annealed copper, PO Insulated.
Insulation:	Polyolefin.
Color code :	See below Color Code table
Outer Jacket :	LS0H 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/mm2 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
Halogen content in LS0H cables	Null.

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 Grey
4	White x Brown	16	Yellow x Blue
5	White x Grey	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 Grey
9	Red x Brown	21	Violet x Blue
10	Red x Grey	22	Violet x Orange
11	Black x Blue	23	Violet x Green
12	Black x Orange	24	Violet x Brown
		25	Violet x Grey