

### Description

HCS DataLink 16 indoor cable series consists of 100 Ohm impedance, 4-300 pair U/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 requirements.

### Applications

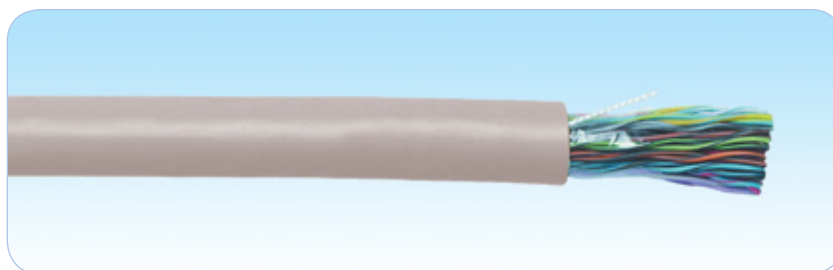
HCS DataLink 16 Horizontal and backbone cables support the following protocols:

- ☑ 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.
- ➔ 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 and overall jacketed.

|                                |   |
|--------------------------------|---|
| Basic Conductor                | Solid, 24AWG, bare annealed copper, PO Insulated.                 |
| Insulation                     | Polyolefin.   |
| Color Code                     | See below Color Code table  |
| 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 <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.   |

## 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   |