DataLink 600

Category 7 S/FTP 100 Ohm Outdoor LAN Cables

HES Cabling Systems
Connecting Networks™

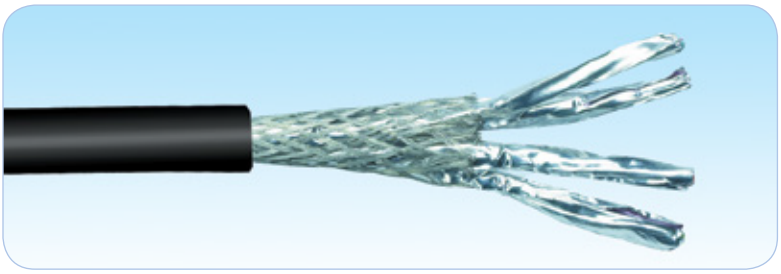
Description

HCS DataLink 600 outdoor CAT 7 cable series consists of 100 Ohm impedance, 4-pair and 8-pair S/FTP cables jacketed with heavy-duty, black, UV-resistant PE compound for horizontal outdoor installations in local area networks (LANs) All cables fully conform to and provide a substantial margin above all Category 7 requirements of IEC 61156-5 (Specified in ISO/IEC 11801) and are tested up to 600MHz. These cables fully support all IEEE 802.3 PoE applications including Type 1 IEEE 802.3af 2008, Type 2 IEEE 802.3at 2009, Type 3 IEEE 802.3bt 2018 & Type 4 IEEE 802.3bt 2018, CISCO UPoE & UPoE+ and HDBase-T PoH.

Applications

HCS DataLink 600 CAT 7 Horizontal outdoor cables support all presently available LAN applications, including the following protocols:

- ☑ Broadband Digital and Analog CATV signals up to 600 MHz
- ☑ SOHO and multiple simultaneous applications on all 4 pairs
- ☑ 10GBASE-T 10 Gigabit Ethernet
- ☑ 1000BASE-T 1 Gigabit Ethernet
- ☑ ATM 155
- ☑ TP-PMD
- ☑ 100BASE-T “Fast Ethernet”
- ☑ 100BASE-T2
- ☑ 100BASE-T4
- ☑ 100BASE-TX
- ☑ Token Ring 100 Mbps
- ☑ ATM 52
- ☑ ATM 25
- ☑ 10BASE-T Ethernet
- ☑ Token Ring 4 Mbps and 16 Mbps
- ☑ Broadband and Baseband Video
- ☑ ISDN Basic and Primary Access
- ☑ 1BASE-5 Starlan
- ☑ ISALAN
- ☑ ITU V.21 and X.11



Qualifications and Approvals

HCS DataLink 600 CAT 7 Cables are tested and verified for full compliance with the following standards:

- ➔ Category 7 according to IEC 61156-5 (for ISO/IEC-11801)
- ➔ 600 MHz according to CENELEC EN 50288-4

Benefits & Features

- ➔ Exceptional transmission properties - suitable for 10GBE applications on 100m channels.
- ➔ Testing every reel of cable prior to shipment - Providing the highest degree of quality assurance.
- ➔ Exceptional material properties and cable design - Providing a unique Century™ Lifetime Warranty.
- ➔ High ACR values - Providing low BER (Bit-Error-Rate) in all applications.
- ➔ Extremely high pair-balance and individual foil shields - 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, black, UV-resistant jacket - Providing low-cost outdoor cables for mild environments.
- ➔ Batch number printed every meter - Providing fast retrieval of test results from data-base.
- ➔ Unique DoubleSafe™ Quality Assurance Program - Providing lowest rejection rate available.

PHYSICAL AND MECHANICAL PROPERTIES

4 color-coded, individually foil shielded twisted pairs cabled together, Overall Shielded with a tin-coated copper braid and overall jacketed with heavy-duty, black, UV-resistant PE compound for outdoor use.

Basic Conductor	Solid, 23AWG, bare annealed copper
Insulation	Polyolefin
Number of Insulated Conductors 8, twisted in 4 pairs.	(8 pairs in FIG-8 cables)
Color Code of Pairs	Blue x White, Orange x White, Green x White, Brown x White
Individual Pair Shield	Polyester-aluminum foil (foil face out), providing 100% coverage
Overall Shield	Tin coated copper braid laid in close contact over the inner foils
Outer Jacket	Heavy-duty, black, UV-resistant PE compound for outdoor use
Jacket Color	Black, RAL 9005.
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 +60C
Conductor Size Test	UL 444.
Operating Temperature	-20 to +60C
Installation Temperature	0 to +50C