



Description

HCS DataLink 2000 cable assemblies consist of custom-made Category 8 LSOH cables bundled together, pre-terminated with Category 8 RJ45 Jacks on both sides, designed for fast and easy installation in data-centers and other high-density locations. Full conformance to TIA-568 Category 8 and ISO/IEC 11801 Class I Channel limits is guaranteed by the official FORCE EC-Verified certificate and 100% testing of each permanent link inside the bundle prior to shipment.

HCS DataLink 2000 cable assemblies are bundled with special halogen-free and flame-retardant semi-loose sleeves providing limp and manageable bundles, which are ideal for tight places and high-density locations. The bundles are marked on both sides with numbered labels for fast and easy identification. HCS DataLink 2000 CAT8 Class I cable assemblies are made of fully shielded components, in lengths ranging from 5 to 26 meters. Longer length are EC Verified to support Class EA/Category CAT6A Channel limits. The standard cables jacket color is gray (RAL 7035) but other colors available upon request.

Applications

HCS DataLink 500A cable assemblies support all presently available LAN applications, including the following protocols:

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> 25/40GBASE-T | <input checked="" type="checkbox"/> 100BASE-T4 | <input checked="" type="checkbox"/> Token Ring 4 Mbps and 16 Mbps |
| <input checked="" type="checkbox"/> 10GBASE-T | <input checked="" type="checkbox"/> 100BASE-TX | <input checked="" type="checkbox"/> Broadband and Baseband Video |
| <input checked="" type="checkbox"/> 1GBASE-T | <input checked="" type="checkbox"/> Token Ring 100 Mbps | <input checked="" type="checkbox"/> ISDN Basic and Primary Access |
| <input checked="" type="checkbox"/> TP-PMD | <input checked="" type="checkbox"/> ATM 155 & 52 | <input checked="" type="checkbox"/> 1BASE-5 Starlan |
| <input checked="" type="checkbox"/> 100BASE-T | <input checked="" type="checkbox"/> ATM 25 | <input checked="" type="checkbox"/> ISALAN |
| <input checked="" type="checkbox"/> 100BASE-T2 | <input checked="" type="checkbox"/> 10BASE-T | <input checked="" type="checkbox"/> ITU V.21 and X.11 |

Qualifications and Approvals

HCS DataLink 2000 Cable assemblies are 100% tested and FORCE (Delta) EC verified for full compliance (*) with the following standards:

- Category 8 Channel according to ANSI/TIA-568.2-D
- Class I Channel according to ISO/IEC-11801 (2nd Edition)

(*) Based on shortest and longest channels specified in ISO/IEC 11801.

Benefits & Features

- Testing every assembly prior to shipment - providing the highest degree of quality assurance.
- Custom-made designs - providing the exact assembly needed for every job and location.
- Unique LSOH sleeves - providing limp, easy to re-shape and install assemblies, ideal for data-centers.
- Exceptional material properties and cable design - providing the highest degree of reliability.
- High Return Loss and NEXT Loss values - providing low BER (Bit-Error-Rate) in all applications.
- Extremely high pair-balance and shield - providing excellent alien crosstalk loss and noise immunity.
- Revolutionary pair lay scheme - providing an extremely low delay skew.
- 100% LSOH assemblies - providing safe usage in high-density and closed location.
- Unique DoubleSafe™ Quality Assurance Program - Providing lowest rejection rate available.

GENERAL PROPERTIES

Horizontal TIA-568 CAT 8 & IEC 61156-9 CAT 8.2 ETL Verified cables terminated on both sides with shielded Category 8 keystone jacks.

Basic Cable Conductor	22AWG Solid bare annealed copper
Wire Insulation	Polyolefin
Number of Insulated Conductors	8, twisted in 4 pairs
Outer Jacket	LSOH Halogen free flame retardant compound.
Shield construction	S/FTP: Individually foil shielded pairs and overall tin-coated copper braid.
Standard Surface Marking	Includes HCS P/N, Cable Description, Meter Mark and Batch Number.
Cable to jack tensile strength	10N min.
Pulling Force	10N max.
Storage Temperature	-20 to +80C
Durability	750 mating cycles
Bend Radius	8xD.
Temperature Operating Range	-20 to +60C
Flame Tests	IEC 60332-1 or IEC 60332-3-24 (flame), IEC 60754 (gas) & IEC 61034 (smoke)

ORDERING INFORMATION

HCS P/N	Basic Cables	Number of Cables	Jacket Color	Length (m)
T08-HNN9C-LL	Pre-terminated (RJ45/RJ45 Jacks) 4x2x22# S/FTP CAT 8 LS0H-1 cables	NN	C	LL
T08-HNNAC-LL	Pre-terminated (RJ45/RJ45 Jacks) 4x2x22# S/FTP CAT 8 LS0H-3 cables	NN	C	LL

Examples

T08-H0690-50	Pre-terminated (RJ45/RJ45 Jacks) 4x2x22# S/FTP CAT 8 LS0H-1 cables	6	Grey	5
T08-H1290-B6	Pre-terminated (RJ45/RJ45 Jacks) 4x2x22# S/FTP CAT 8 LS0H-1 cables	12	Grey	26
T08-H06A1-A5	Pre-terminated (RJ45/RJ45 Jacks) 4x2x22# S/FTP CAT 8 LS0H-3 cables	6	Blue	15