



### Description

*HCS DataLight series includes a complete line of fiberoptic cables for high transmission rates including voice, data and video.*

*All HCS DataLight cables are produced and rigorously tested to conform to most international standards.*

*HCS DataLight Indoor/Outdoor Single Loose Tube (SLT) cable series provides outstanding all-dielectric design for both indoor and outdoor installations in harsh conditions.*

*These cables consist of 2-24 color-coded bare fibers (250 microns OD), contained in a single jell-filled loose tube, overall served with water-blocking swellable aramid yarn or glass yarn and jacketed with black, UV resistant PE or LSOH compound.*

*HCS DataLight cables fully conform to and provide a substantial margin above all relevant TIA and IEC standards.*

*Optional fibers available: Multimode 50/125 microns (OM2, OM3, OM4 & OM5), 62.5/125 microns and Singlemode fibers.*

### Applications

HCS DataLight cables can be used for various application including the following:

- ☒ General purpose outdoor LAN cable
- ☒ Campus backbone cable
- ☒ Campus distribution cable

HCS DataLight cables support all presently available LAN applications, including the IEEE802.3z protocols for Gigabit Ethernet, 1000BASE-SX (Short wavelength Gigabit Ethernet) 1000BASE-LX (Long wavelength Gigabit Ethernet) & IEEE 802.3ae 10GBASE-SR/SW 10GBASE-LX4 (10 Gigabit Ethernet).

### Qualifications and Approvals

HCS DataLight Cables are tested and verified for full compliance with the following standards:

- ☒ ANSI/TIA-568.3-E
- ☒ ISO/IEC 11801
- ☒ CENELEC EN50173
- ☒ TIA-455
- ☒ IEC 60332-1 (for LSOH constructions)
- ☒ IEC 60754
- ☒ IEC 60793
- ☒ IEC 60794

### Benefits & Features

- ➔ Exceptional material properties and cable design - Providing a unique Century™ Lifetime Warranty.
- ➔ UV, LSOH and water resistant optional constructions - Providing a single cable suitable for indoor and outdoor locations.
- ➔ All-dielectric construction - Providing perfect EMC (Electro Magnetic Compatibility) and total noise immunity.
- ➔ Crisp and clear color coding - Providing positive fiber identification and ease of termination.
- ➔ Descending sequential meter mark - Providing easy stock and left-over handling.
- ➔ 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.

## OPTIONAL CONSTRUCTIONS

HCS DataLight Indoor/Outdoor SLT Cables contain up to 24 color-coded, 250 micron bare optical fibers.

All fibers are contained in a single jell-filled loose tube, overall served with water-blocking swellable glass yarn or aramid providing light rodent protection and jacketed with black, UV resistant PE or LS0H compound. The cables fully comply with the EIA/TIA FOTP 82C and IEC 60794-1-22 F5 longitudinal water-blocking tests.

Basic Fiber	As selected from the FIBER OPTIONS Section.
Buffer Type	None. (Bare, color-coded fibers).
Fibers OD	250 microns nom.
Loose Tubes	Single, filled with a Thixotropic gel.
Strength Elements Over The Loose Tube	Served swellable glass yarn or aramid.
Number of Fibers	2-24.
Color Code	Color Table No. 3: TIA-598-C Color Code
Outer Jacket	Heavy duty, UV Resistant LS0H or PE compound.
Standard Outer Jacket Color	Black RAL 9005. Other colors available upon request.
Standard Surface Marking	Includes HCS P/N, cable description, Meter mark and Batch Number.

\*Detailed cable description is available in the relevant technical specification.

## ORDERING INFORMATION

HCS P/N	Description
SFO-00201-DR7-Fx	2 Fibers All Dielectric LS0H Indoor/Outdoor SLT Black
SFO-00202-DR7-Fx	2 Fibers All Dielectric PE Outdoor SLT Black
SFO-00401-DR7-Fx	4 Fibers All Dielectric LS0H Indoor/Outdoor SLT Black
SFO-00402-DR7-Fx	4 Fibers All Dielectric PE Outdoor SLT Black
SFO-00601-DR7-Fx	6 Fibers All Dielectric LS0H Indoor/Outdoor SLT Black
SFO-00602-DR7-Fx	6 Fibers All Dielectric PE Outdoor SLT Black
SFO-00801-DR7-Fx	8 Fibers All Dielectric LS0H Indoor/Outdoor SLT Black
SFO-00802-DR7-Fx	8 Fibers All Dielectric PE Outdoor SLT Black
SFO-01001-DR7-Fx	10 Fibers All Dielectric LS0H Indoor/Outdoor SLT Black
SFO-01002-DR7-Fx	10 Fibers All Dielectric PE Outdoor SLT Black
SFO-01201-DR7-Fx	12 Fibers All Dielectric LS0H Indoor/Outdoor SLT Black
SFO-01202-DR7-Fx	12 Fibers All Dielectric PE Outdoor SLT Black
SFO-02401-DR7-Fx	24 Fibers All Dielectric LS0H Indoor/Outdoor SLT Black
SFO-02402-DR7-Fx	24 Fibers All Dielectric PE Outdoor SLT Black

### Notes:

- Detailed P/N breakdown is provided [HERE](#).
- "FO" in the P/N is replaced by the fiber designation selected from the **FIBER OPTIONS** Table.
- The default packaging is 2000m reels. Other packaging options to be discussed with HCS Customer Service.
- The default jacket color of HCS standard cables is Black RAL 9005. Other colors available.
- CPR options available upon request, to be discussed with HCS Customer Service.
- "x" shall be replaced by a letter (A to Z) in the cable part number indicated in the detailed technical specification.