



### 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 Outdoor Single Loose Tube (SLT) cable series provides outstanding all-dielectric design for 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, a thick layer of glass yarn for rodent resistance 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, rodent and water resistant constructions - Providing a single cable suitable for many 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.

# Non-Metallic Armored Outdoor Single Loose Tube Fiber Optic Cables

## DataLight SLT

### OPTIONAL CONSTRUCTIONS

HCS DataLight 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 aramid yarn and a thick layer of glass yarn armor for rodent protection, jacketed with black, UV resistant PE or LSOH 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 Tube	Single, filled with a Thixotropic gel.
Water Blocking Element Over the Loose Tube	Served swellable glass or aramid yarns, providing longitudinal water blocking.
Armor	Glass yarn.
Number of Fibers	2-24.
Color Code	Color Table No. 3: TIA-598-C Color Code
Outer Jacket	Heavy duty, UV Resistant PE or LSOH 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-00221-DR7-Fx	2 Fibers All Dielectric Rodent Resistant Outdoor SLT Black
SFO-00421-DR7-Fx	4 Fibers All Dielectric Rodent Resistant Outdoor SLT Black
SFO-00621-DR7-Fx	6 Fibers All Dielectric Rodent Resistant Outdoor SLT Black
SFO-00821-DR7-Fx	8 Fibers All Dielectric Rodent Resistant Outdoor SLT Black
SFO-01221-DR7-Fx	12 Fibers All Dielectric Rodent Resistant Outdoor SLT Black
SFO-01621-DR7-Fx	16 Fibers All Dielectric Rodent Resistant Outdoor SLT Black
SFO-02421-DR7-Fx	24 Fibers All Dielectric Rodent Resistant Outdoor SLT Black
SFO-00222-DR7-Fx	2 Fibers All Dielectric Rodent Resistant Outdoor LSOH SLT Black
SFO-00422-DR7-Fx	4 Fibers All Dielectric Rodent Resistant Outdoor LSOH SLT Black
SFO-00622-DR7-Fx	6 Fibers All Dielectric Rodent Resistant Outdoor LSOH SLT Black
SFO-00822-DR7-Fx	8 Fibers All Dielectric Rodent Resistant Outdoor LSOH SLT Black
SFO-01222-DR7-Fx	12 Fibers All Dielectric Rodent Resistant Outdoor LSOH SLT Black
SFO-01622-DR7-Fx	16 Fibers All Dielectric Rodent Resistant Outdoor LSOH SLT Black
SFO-02422-DR7-Fx	24 Fibers All Dielectric Rodent Resistant Outdoor LSOH SLT Black

#### Notes:

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