



Description

HCS DataLight series includes a complete line of Local Area Network (LAN) 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 Armored Single Loose Tube (SLT) cable series provides outstanding 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 yarns or glass yarn and inner jacketed with black, UV resistant PE or LSOH compound.

A layer of corrugated steel armor covered with a black, UV resistant PE outer jacket render the cable suitable for harsh environments and rodent-infested areas.

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

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

Applications

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

- ☑ General purpose armored outdoor LAN cable
- ☑ Direct burial campus backbone distribution cable
- ☑ Outdoor plant duct installation 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-C.3
- ☑ ISO/IEC 11801 (2nd Edition)
- ☑ CENELEC EN50173
- ☑ EIA/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 construction - Providing a single cable suitable for many outdoor locations.
- Crisp and clear color coding - Providing positive fiber identification and ease of termination.
- Descending sequential meter mark - Providing easy stock and left-over handling.
- Corrugated steel armor with a rip-cord - Providing easy and comfortable cable handling and jacket removal.
- 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.