



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 Multi-Loose Tube (MLT) Single Jacket (SJ) cable series provides outstanding design for indoor and outdoor installations. These cables consist of 4-144 color-coded bare fibers (250 microns) in up to 12 jell-filled loose tubes. The loose tubes are cabled around a non metallic dielectric strength member, gel-filled, wrapped with polyester tape and fire-stopping mica tape. A layer of corrugated steel armor covered with a black, UV resistant LSOH outer jacket render the cable suitable for harsh environments and rodent-infested areas. The cable maintains circuit integrity for 180 minutes according to IEC 60331-25. 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:

- ☑ Long haul outside plant telephone, CATV and data-transmission cable
- ☑ Direct burial and duct installation cable
- ☑ Campus distribution cable
- ☑ Outdoor installations in rodent-infested areas.

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-D
- ☑ IEC 60332-1 (for LSOH constructions)
- ☑ CENELEC EN50173
- ☑ EIA/TIA-455
- ☑ ISO/IEC 11801 (2nd Edition)
- ☑ 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.
- ➔ Corrugated steel armor with a rip-cord - Providing easy and comfortable cable handling and jacket removal.
- ➔ 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.