



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 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 cables suitable for harsh environments and rodent-infested areas. The cables 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 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:

- ☑ 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-E
- ☑ ISO/IEC 11801 (2nd Edition)
- ☑ CENELEC EN50173
- ☑ TIA-455
- ☑ IEC 60332-1
- ☑ 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.

Armored Fire-Resistant LSOH Multi-Loose Tube SJ Fiber Optic Cables

DataLight MLT

OPTIONAL CONSTRUCTIONS

Basic Fiber	As selected from the FIBER OPTIONS Section
Central Strength Member	Dielectric
Number of Fibers	4-144
Core Filling	Water blocking Jelly
Core Wrap	Polyester tape
Tape wrap	Fire resistant mica tape
Rip-cord	Aramid rope laid in parallel for easy jacket and armor removal
Steel armor	150 micron corrugated steel tape laid longitudinally, bonded to the outer jacket
Outer jacket	UV-resistant 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	Tubes	Fiber/Tube	OD mm ±10%	Weight kg/km ±10%
UFO-004R7-DR7-Fx	4 Fibers Armored Indoor/Outdoor Fire-resistant MLT Black LSOH	1	4	11.8	163
UFO-006R7-DR7-Fx	6 Fibers Armored Indoor/Outdoor Fire-resistant MLT Black LSOH	1	6	11.8	163
UFO-008R7-DR7-Fx	8 Fibers Armored Indoor/Outdoor Fire-resistant MLT Black LSOH	2	4	11.8	164
UFO-012R7-DR7-Fx	12 Fibers Armored Indoor/Outdoor Fire-resistant MLT Black LSOH	2	6	11.8	164
UFO-016R7-DR7-Fx	16 Fibers Armored Indoor/Outdoor Fire-resistant MLT Black LSOH	4	4	11.8	165
UFO-024R7-DR7-Fx	24 Fibers Armored Indoor/Outdoor Fire-resistant MLT Black LSOH	3	8	11.8	165
UFO-036R7-DR7-Fx	36 Fibers Armored Indoor/Outdoor Fire-resistant MLT Black LSOH	3	12	11.8	165
UFO-048R7-DR7-Fx	48 Fibers Armored Indoor/Outdoor Fire-resistant MLT Black LSOH	4	12	11.8	166
UFO-060R7-DR7-Fx	60 Fibers Armored Indoor/Outdoor Fire-resistant MLT Black LSOH	5	12	11.8	167
UFO-072R7-DR7-Fx	72 Fibers Armored Indoor/Outdoor Fire-resistant MLT Black LSOH	6	12	12.5	188
UFO-096R7-DR7-Fx	96 Fibers Armored Indoor/Outdoor Fire-resistant MLT Black LSOH	8	12	13.7	220
UFO-144R7-DR7-Fx	144 Fibers Armored Indoor/Outdoor Fire-resistant MLT Black LSOH	12	12	16.5	303

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.