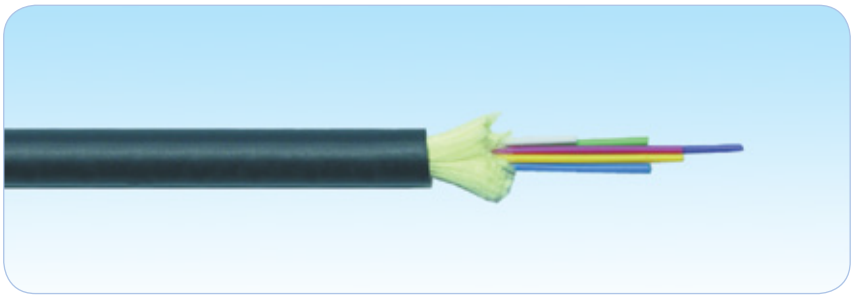
DataLight MTD

Indoor LS0H Multi-Tight Distribution Fiber Optic Cables

HES Cabling Systems
Connecting Networks™



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 Multi-Tight-Distribution (MTD) cable series consists of 2-12 tight buffered fibers, cabled, served with aramid yarn and jacketed with LS0H compounds.
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 all-dielectric indoor LAN cable
- ☑ In-building backbone and riser, optimized for Centralized Cabling (TIA TSB-72)
- ☑ Short distance distribution and trunking
- ☑ Office wiring

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
- ☑ IEC 60754
- ☑ IEC 60793
- ☑ IEC 60794

Benefits & Features

- ➔ Exceptional material properties and cable design - Providing a unique Century™ Lifetime Warranty.
- ➔ Tight 900 microns buffered fibers - Providing easy, fast and trouble-free termination and use of field-installable connectors.
- ➔ 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.
- ➔ Smooth, limp and flexible jacket - Providing easy and comfortable cable 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 MTD Cables contain up to 12 color-coded, tight buffer optical fibers.
In 2-12 fiber cables, all fibers are cabled together, reinforced by water-blocking swellable aramid strength yarns and protected with a flame-retardant, UV resistant LS0H Jacket.
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	Tight
Buffer OD	900 microns nom
Strength Elements	Served aramid yarn
Number of Fibers	2-12
Outer Jacket	LS0H Halogen free
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	Buffer	OD mm ±10%	Weight kg/km ±10%
NFO-00201-DR7-Fx	2 Fibers LS0H Black	Tight	5.0	22
NFO-00401-DR7-Fx	4 Fibers LS0H Black	Tight	5.2	25
NFO-00601-DR7-Fx	6 Fibers LS0H Black	Tight	6.8	35
NFO-00801-DR7-Fx	8 Fibers LS0H Black	Tight	7.3	40
NFO-01201-DR7-Fx	12 Fibers LS0H Black	Tight	7.5	45

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.