

Outdoor Non-Metallic Armored Multi-Loose Tube Fiber Optic Cables

DataLight MLT

CABLES OPTIONAL CONSTRUCTIONS

HCS DataLight Outdoor MLT Cables contain up to 288 color-coded, 250 micron bare optical fibers.

4-12 color-coded bare fibers are contained in each jell-filled loose tube.

All loose tubes are cabled (with fillers as needed to preserve the cable geometry) around a solid, all dielectric central strength member and the interstices are filled with water-blocking gel.

The cable core is glass yarn armored and jacketed with black, UV resistant PE compound.

The cables fully comply with the EIA/TIA FOTP 82B and IEC 60794-1-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 Tubes	1-24, filled with a Thixotropic gel.
Central Strength Member	Rigid, all-dielectric FRP.
Number of Fibers	4-288.
Color Code Inside Each Tube	Color Table No. 4: ANSI/TIA/EIA-598-A Color Code)
Color Code of Loose Tubes	Per request.
Core Filling	Water blocking compound.
Armor	Glass yarn.
Outer Jacket	Heavy duty, UV Resistant PE 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.
Max. Vertical Rise	150 m.
Max. Tensile Strength - Short Term	2700 N.
Max. Tensile Strength - Long Term	1700 N.
Min. Bending Radius - Short Term	20xD
Min. Bending Radius - Long Term	10xD
Repeated Bending	100 Cycles min.
Crush Resistance	3000 N
Storage Temperature	-50 to +70C
Temperature Operating Range	-40 to +70C

ORDERING INFORMATION

HCS P/N	Description	Tubes	Fiber/Tube	OD mm	Weight Kg/Km	Notes
QFO-00421	4 Fibers Non-Metallic Armored Outdoor MLT Black	1	4	12	110	
QFO-00821	8 Fibers Non-Metallic Armored Outdoor MLT Black	2	4	12	110	
QFO-01221	12 Fibers Non-Metallic Armored Outdoor MLT Black	3	4	12	112	
QFO-02421	24 Fibers Non-Metallic Armored Outdoor MLT Black	6	4	12	114	
QFO-03621	36 Fibers Non-Metallic Armored Outdoor MLT Black	6	6	13	133	
QFO-04821	48 Fibers Non-Metallic Armored Outdoor MLT Black	6	8	13	135	
QFO-07221	72 Fibers Non-Metallic Armored Outdoor MLT Black	6	12	13.5	150	
QFO-09621	96 Fibers Non-Metallic Armored Outdoor MLT Black	8	12	15.3	185	
QFO-14421	144 Fibers Non-Metallic Armored Outdoor MLT Black	12	12	18.8	270	
QFO-28821	288 Fibers Non-Metallic Armored Outdoor MLT Black	9+15	12	18.8	290	

Notes:

The "FO" in the P/N is replaced by the fiber designation selected from the **FIBER OPTIONS** Table.

Packaging options to be discussed with HCS Customer Service.

The standard jacket color is Black RAL 9005. Other colors available upon request.

LSOH outer jacket is available upon request.