

Non-Metallic Armored Outdoor Single Loose Tube Fiber Optic Cables

DataLight SLT

OPTIONAL CONSTRUCTIONS

HCS DataLight Outdoor SLT Cables contain up to 24 color-coded, 250 micron bare optical fibers.

All fibers are contained in a single jell-filled loose tube, overall served with water-blocking swellable aramid yarns and a thick layer of glass yarn armor for rodent protection, 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 Tube	Single, filled with a Thixotropic gel.
Water Blocking Element Over the Loose Tube	Served swellable glass or aramid yarns, providing longitudinal water blocking.
Armor	Glass yarn.
Number of Fibers	2-24.
Color Code	HCS Color Table No. 3 (ANSI/TIA/EIA-598-A Color Code)
Outer Jacket	Heavy duty, UV Resistant PE compound.
Cable OD	7.3 mm max.
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.
Cable Weight	58 Kg/Km nom.
Max. Tensile Load - Short Term	1900 N
Max. Tensile Load - Long Term	1000 N
Min. Bending Radius - Short Term	146 mm max
Min. Bending Radius - Long Term	73 mm max.
Max. Crush Resistance	3000 N
Water Penetration	3m max @ 24h
Storage Temperature	-40 to +70C
Temperature Operating Range	-40 to +70C
Caloric Value	800 Kj/m nom.
Halogen Content	Null

ORDERING INFORMATION

HCS P/N	Description	Notes
SFO-00221	2 Fibers All Dielectric Rodent Resistant Outdoor SLT Black	
SFO-00421	4 Fibers All Dielectric Rodent Resistant Outdoor SLT Black	
SFO-00621	6 Fibers All Dielectric Rodent Resistant Outdoor SLT Black	
SFO-00821	8 Fibers All Dielectric Rodent Resistant Outdoor SLT Black	
SFO-01221	12 Fibers All Dielectric Rodent Resistant Outdoor SLT Black	
SFO-01621	16 Fibers All Dielectric Rodent Resistant Outdoor SLT Black	
SFO-02421	24 Fibers All Dielectric Rodent Resistant Outdoor SLT Black	
SFO-00222	2 Fibers All Dielectric Rodent Resistant Outdoor LSOH SLT Black	
SFO-00422	4 Fibers All Dielectric Rodent Resistant Outdoor LSOH SLT Black	
SFO-00622	6 Fibers All Dielectric Rodent Resistant Outdoor LSOH SLT Black	
SFO-00822	8 Fibers All Dielectric Rodent Resistant Outdoor LSOH SLT Black	
SFO-01222	12 Fibers All Dielectric Rodent Resistant Outdoor LSOH SLT Black	
SFO-01622	16 Fibers All Dielectric Rodent Resistant Outdoor LSOH SLT Black	
SFO-02422	24 Fibers All Dielectric Rodent Resistant Outdoor LSOH SLT Black	

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.