

CABLES OPTIONAL CONSTRUCTIONS

HCS DataLight Outdoor SLT Cables contain up to 12 color-coded, 250 micron bare optical fibers.

2-12 color-coded bare fibers are contained in each jell-filled loose tube.

These cables consist of 2-12 color-coded bare fibers (250 microns OD), contained in a single jell-filled loose tube, overall served with water-blocking swellable glass yarn. A layer of corrugated steel armor & 7x0.92 mm. steel messenger wire covered with a black, UV resistant PE outer jacket render the cable suitable for aerial installations between poles. 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.
Strength Element Over the Loose Tube	Served swellable aramid yarns, providing longitudinal water blocking, or served glass yarn.
Number of Fibers	2-12.
Color Code Inside Each Tube	Color Table No. 4: ANSI/TIA/EIA-598-A Color Code)
Armor	150 microns rodent resistant corrugated steel tape.
Messenger Wire	7x0.92 mm steel wires.
Outer Jacket	Heavy-duty, UV resistant PE compound.
Web	Height: 2.5 ± 0.5 mm Width: 2.5 ± 0.5 mm
Cable OD	17+9 mm.
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. Tensile Strength - Short Term	2500N
Max. Tensile Strength - Long Term	1500N
Min. Bending Radius - Short Term	20xCable OD
Min. Bending Radius - Long Term	15xCable OD
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	Fibers/Tube	OD mm	Weight Kg/Km	Notes
XFO-00441	4 Fibers Aerial Fig-8 SLT armored Outdoor Black	1	4	17+9	146	-
XFO-00641	6 Fibers Aerial Fig-8 SLT armored Outdoor Black	1	6	17+9	146	-
XFO-00841	8 Fibers Aerial Fig-8 SLT armored Outdoor Black	1	8	17+9	146	-
XFO-01241	12 Fibers Aerial Fig-8 SLT armored Outdoor Black	1	12	17+9	146	-

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.