

OPTIONAL CONSTRUCTIONS

HCS DataLight Armored 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 or glass-yarn and inner jacketed with black, UV resistant PE or LS0H compound.

A layer of corrugated steel armor covered with a black, UV resistant PE or LS0H outer jacket render the cable suitable for harsh environments and rodent-infested areas.

A rip-cord is located under the steel armor, for fast and easy armor and jacket removal.

Cables fully comply with the EIA/TIA FOTP 82B and IEC 794-1-F5 longitudinal water-blocking tests (with swellable aramid yarn).

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 Elements Over the Loose Tube	Served swellable aramid yarns, providing longitudinal water blocking, or served glass yarn
Number of Fibers	2-24
Color Code	HCS Color Table No. 3 (ANSI/TIA/EIA-598-A Color Code)
Inner Jacket	Heavy duty, UV Resistant PE compound or LS0H compound
Armor	150 microns rodent resistant corrugated steel tape
Outer Jacket	Heavy duty, UV Resistant PE compound or LS0H compound
Cable OD	11.2 mm nom (Without messenger)
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	130 Kg/Km
Max. Tensile Strength - Short Term	1900 N
Max. Tensile Strength - Long Term	950 N
Min. Bending Radius - Short Term	224 mm
Min. Bending Radius - Long Term	224 mm
Max. Crush Resistance	3000 N
Storage Temperature	-40 to +70 oC
Temperature Operating Range	-40 to +70 oC
Caloric Value	2000 Kj/m nom.

ORDERING INFORMATION

HCS P/N	Description	Notes
EFO-00201	2 Fibers Corrugated Steel Armored Outdoor, SLT, Black	-
EFO-00401	4 Fibers Corrugated Steel Armored Outdoor, SLT, Black	-
EFO-00601	6 Fibers Corrugated Steel Armored Outdoor, SLT, Black	-
EFO-00801	8 Fibers Corrugated Steel Armored Outdoor, SLT, Black	-
EFO-01001	10 Fibers Corrugated Steel Armored Outdoor, SLT, Black	-
EFO-01201	12 Fibers Corrugated Steel Armored Outdoor, SLT, Black	-
EFO-01601	16 Fibers Corrugated Steel Armored Outdoor, SLT, Black	-
EFO-02401	24 Fibers Corrugated Steel Armored Outdoor, SLT, Black	-
EFO-00202	2 Fibers Corrugated Steel Armored Outdoor, SLT, Black LS0H	-
EFO-00402	4 Fibers Corrugated Steel Armored Outdoor, SLT, Black LS0H	-
EFO-00602	6 Fibers Corrugated Steel Armored Outdoor, SLT, Black LS0H	-
EFO-00802	8 Fibers Corrugated Steel Armored Outdoor, SLT, Black LS0H	-
EFO-01002	10 Fibers Corrugated Steel Armored Outdoor, SLT, Black LS0H	-
EFO-01202	12 Fibers Corrugated Steel Armored Outdoor, SLT, Black LS0H	-
EFO-01602	16 Fibers Corrugated Steel Armored Outdoor, SLT, Black LS0H	-
EFO-02402	24 Fibers Corrugated Steel Armored Outdoor, SLT, Black LS0H	-

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.

LS0H outer jacket is available upon request.