

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 and overall served with water-blocking swellable aramid yarns or glass-yarn. A layer of corrugated steel armor covered with a black, UV resistant PE 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 60794-1-F5 longitudinal water-blocking tests (with swellable aramid yarn). All cables are also available with a steel messenger (FIG-8 construction) for aerial installations.

Basic Fiber	As selected from the FIBER OPTIONS Section.
Buffer type	None. (Bare, color-coded fibers).
Fibers OD	250 microns nom.
Loose tube	Single, 2.0/3.2 mm ID/OD nom. 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	None.
Armor	150 microns rodent resistant corrugated steel tape.
Outer Jacket	Heavy duty, UV Resistant MDPE compound.
Jacket thickness	1.5±0.1 mm
Rip cord	Aramid yarn.
Cable OD	9.5±0.1 mm (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	90 Kg/Km nom.
Operation temperature range	-40 to +70C
Installation temperature range	-15 to +60C
Storage and transportation temperature range	-20 to +70C
Caloric Value	1800 Kj/m nom.

MECHANICAL PROPERTIES

Property	Value	Standard
Max. Tensile Strength - Short term	1190 N	IEC 60794-1-E1
Max. Tensile Strength - Long term	600 N	IEC 60794-1-E1
Min. Bending Radius - Short term	20D	IEC 60794-1-E11
Min. Bending Radius - Long term	10D	IEC 60794-1-E11
Crush resistance	2500 N	IEC 60794-1-E3
Impact resistance	10J, 5 impacts	IEC 60794-1-E4
Temperature cycling	-20 to +70C	IEC 60794-1-F1
Repeated bending	20D	IEC 60794-1-E6

ORDERING INFORMATION

HCS P/N	Description	Notes
EFO-00203	2 Fibers Corrugated Steel Armored Outdoor, SLT-SJ, Black	-
EFO-00403	4 Fibers Corrugated Steel Armored Outdoor, SLT-SJ, Black	-
EFO-00603	6 Fibers Corrugated Steel Armored Outdoor, SLT-SJ, Black	-
EFO-00803	8 Fibers Corrugated Steel Armored Outdoor, SLT-SJ, Black	-
EFO-01003	10 Fibers Corrugated Steel Armored Outdoor, SLT-SJ, Black	-
EFO-01203	12 Fibers Corrugated Steel Armored Outdoor, SLT-SJ, Black	-
EFO-01603	16 Fibers Corrugated Steel Armored Outdoor, SLT-SJ, Black	-
EFO-02403	24 Fibers Corrugated Steel Armored Outdoor, SLT-SJ, Black	-
EFO-00204	2 Fibers Corrugated Steel Armored Outdoor, SLT-SJ, Black LSOH	-
EFO-00404	4 Fibers Corrugated Steel Armored Outdoor, SLT-SJ, Black LSOH	-
EFO-00604	6 Fibers Corrugated Steel Armored Outdoor, SLT-SJ, Black LSOH	-
EFO-00804	8 Fibers Corrugated Steel Armored Outdoor, SLT-SJ, Black LSOH	-
EFO-01004	10 Fibers Corrugated Steel Armored Outdoor, SLT-SJ, Black LSOH	-
EFO-01204	12 Fibers Corrugated Steel Armored Outdoor, SLT-SJ, Black LSOH	-
EFO-01604	16 Fibers Corrugated Steel Armored Outdoor, SLT-SJ, Black LSOH	-
EFO-02404	24 Fibers Corrugated Steel Armored Outdoor, SLT-SJ, Black LSOH	-

Notes:

1. The "FO" in the P/N is replaced by the fiber designation selected from the FIBER OPTIONS Table.
2. Packaging options to be discussed with HCS Customer Service.
3. The standard jacket color is Black RAL 9005. Other colors available upon request.
4. LSOH outer jacket is available upon request.