

OPTIONAL CONSTRUCTIONS

HCS DataLight Breakout Cables contain up to 36 color-coded minicables, each minicable consists of one optical fiber with a 0.9 mm tight or semi-tight buffer, reinforced by aramid and E-glass strength yarns and protected with a flame-retardant PVC or LSOH Jacket.

The minicables are cabled together (with fillers in case of need) around a dielectric central strength member (except when noted otherwise), wrapped with a plastic binder and overall covered with a flame-retardant PVC or LSOH Jacket.

Basic Fiber	As selected from the FIBER OPTIONS Section
Buffer Type	Tight or Semi-tight
Buffer Material	LSOH Halogen free or flame retardant PVC compound
Buffer OD	900 microns nom
Strength Elements	Served aramid and E-glass yarns
Individual Jacket Material	LSOH Halogen free or flame retardant PVC compound
Individual Jacket OD	2.1 mm nom.
Number of Minicables	2-36
Color Code	HCS Color Table No. 3 up to 12 minicables. (Larger fiber count: Numbered minicables)
Outer Jacket	LSOH Halogen free or flame retardant PVC compound
Standard Outer Jacket Color	Light Gray RAL 7035. Other colors available upon request
Standard Surface Marking	Includes HCS P/N, Cable Description, Meter Mark and Batch Number
Max. Crush Resistance	2000 N in 2&4 fiber (no CSM) cables and 3000 N in 4-36 fiber cables with CSM
Short Term Bend Radius	15xOD mm min.
Long Term Bend Radius	10xOD mm min.
Storage Temperature	-25 to +75 oC
Temperature Operating Range	-25 to +75 oC
Flame Test	IEC 60332-1
Halogen Content in LSOH Cables	Null

ORDERING INFORMATION

HCS P/N	Description	Buffer	OD mm	Tensile Strength N, Max.		Weight Kg/Km	Cal. Value Kj/m	Notes
				Short	Long			
RFO-00201	2 Fibers PVC gray	Tight	6.4	500	300	39	750	No CSM
RFO-00202	2 Fibers PVC gray	Semi-Tight	6.4	500	300	39	750	No CSM
RFO-00203	2 Fibers LSOH gray	Tight	6.4	500	300	39	750	No CSM
RFO-00204	2 Fibers LSOH gray	Semi-Tight	6.4	500	300	39	750	No CSM
RFO-00401	4 Fibers PVC gray	Tight	7.2	1000	700	53	1200	No CSM
RFO-00402	4 Fibers PVC gray	Semi-Tight	7.2	1000	700	53	1200	No CSM
RFO-00403	4 Fibers LSOH gray	Tight	7.2	1000	700	53	1200	No CSM
RFO-00404	4 Fibers LSOH gray	Semi-Tight	7.2	1000	700	53	1200	No CSM
RFO-00405	4 Fibers PVC gray	Tight	8.0	1300	1000	66	1500	
RFO-00406	4 Fibers PVC gray	Semi-Tight	8.0	1300	1000	66	1500	
RFO-00407	4 Fibers LSOH gray	Tight	8.0	1300	1000	67	1500	
RFO-00408	4 Fibers LSOH gray	Semi-Tight	8.0	1300	1000	67	1500	
RFO-00601	6 Fibers PVC gray	Tight	8.0	1300	1000	68	1500	
RFO-00602	6 Fibers PVC gray	Semi-Tight	8.0	1300	1000	68	1500	
RFO-00603	6 Fibers LSOH gray	Tight	8.0	1300	1000	68	1500	
RFO-00604	6 Fibers LSOH gray	Semi-Tight	8.0	1300	1000	68	1500	
RFO-00801	8 Fibers PVC gray	Tight	9.7	1500	1200	93	2000	
RFO-00802	8 Fibers PVC gray	Semi-Tight	9.7	1500	1200	93	2000	
RFO-00803	8 Fibers LSOH gray	Tight	9.7	1500	1200	93	2000	
RFO-00804	8 Fibers LSOH gray	Semi-Tight	9.7	1500	1200	93	2000	
RFO-01201	12 Fibers PVC gray	Tight	12.9	1900	1600	162	3500	
RFO-01202	12 Fibers PVC gray	Semi-Tight	12.9	1900	1600	162	3500	
RFO-01203	12 Fibers LSOH gray	Tight	12.9	1900	1600	162	3500	
RFO-01204	12 Fibers LSOH gray	Semi-Tight	12.9	1900	1600	162	3500	
RFO-02401	24 Fibers PVC gray	Tight	15.5	1900	1600	225	4800	
RFO-02402	24 Fibers PVC gray	Semi-Tight	15.5	1900	1600	225	4800	
RFO-02403	24 Fibers LSOH gray	Tight	15.5	1900	1600	225	4800	
RFO-02404	24 Fibers LSOH gray	Semi-Tight	15.5	1900	1600	225	4800	
RFO-03601	36 Fibers PVC gray	Tight	17.6	1900	1600	310	6600	
RFO-03602	36 Fibers PVC gray	Semi-Tight	17.6	1900	1600	310	6600	
RFO-03603	36 Fibers LSOH gray	Tight	17.6	1900	1600	310	6600	
RFO-03604	36 Fibers LSOH gray	Semi-Tight	17.6	1900	1600	310	6600	-

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 Light Gray RAL 7035. Other colors available upon request.