



A Furukawa Company

Your Optical Fiber Solutions Partner®

OFS | www.ofsoptics.com

## Item # C10686, 2-Fiber Ruggedized 2.2 mm Based Construction 200 μm HCS® Step-Index V-System® Cables

Outdoor Heavy-Duty (HD) Industrial Cables enable highly intelligent communication interfaces in harsh environments when high speed and signal integrity are critical.

All-dielectric construction makes these cables suitable for hazardous areas while providing immunity from EMI/RFI noise and grounding problems. HCS fiber V-System cable is a low-cost, silica-based cabling system, compatible with Avago® versatile link 650 nm receivers and transmitters.



[Optical Properties](#) | [Cable Design](#) | [Installation and Usage Specifications](#) | [Ordering Information](#) | [Typical Applications](#) | [Crimp & Cleave Compatibility](#) | [Options](#)

### Optical Properties

Type	Multimode Step-Index
Attenuation	@ 850 nm, ≤ 8 dB/km
Fiber Specifications	<a href="#">CF01493-10</a> , 200 0.37 NA Low OH Optical Fiber

### Cable Design

<b>Construction</b>	2-Fiber Ruggedized
<b>Numerical Aperture</b>	0.37
<b>Fiber Core Diameter</b>	200 ± 4 µm
<b>Sub-Unit Diameter</b>	2.2 ± 0.1 mm
<b>Outer Cable Diameter</b>	10 mm
<b>Cable Weight</b>	81 kg/km
<b>Outer Jacket Material</b>	HDPE
<b>Outer Jacket Color</b>	Violet
<b>Crush Resistance FOTP-41A</b>	2000 N/cm max
<b>Impact Resistance FOTP-25B</b>	Pass

## Installation and Usage Specifications

<b>Installation Load Maximum</b>	528 lb 2350 N
<b>Operating Load Maximum</b>	264 lb 1175 N
<b>Minimum Bend Installation</b>	150 mm
<b>Minimum Bend Operating</b>	100 mm
<b>Operating Temperature</b>	-20 to +80 °C
<b>Storage Temperature</b>	-20 to +80 °C

## Ordering Information

<b>Product Description Code</b>	HCP-M0200T-V02EB-HD HDPE
<b>Order From Location</b>	AVON LOCATION 1.888.438.9936 toll-free in the United States and Canada 1.860.678.0371 from outside the U.S.A. 55 Darling Drive Avon, CT 06001, USA

**Order By Item #**

C10686

**Note**

The operating temperature ranges are general guidelines. Consult with our Technical Sales department to determine the optimal coating and jacketing material for your specific application.  
1.860.678.6636

## Typical Applications

Airfield Lighting  
Factory Automation  
Industrial Communications  
Laser Power Delivery  
Near-IR Spectroscopy  
Wind Turbines

## Crimp & Cleave Compatibility

V-Pin Connectors

## Options

Jacket Color  
Print Legend  
Terminated Assemblies