

OFS, Specialty Photonics Division

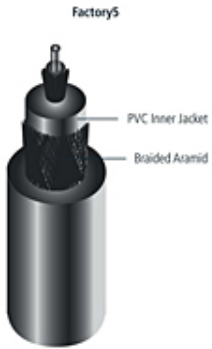
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Item # C14787, Simplex Factory5 Cable 2.5 mm Based Construction Step-Index 200 μm HCS® Riser and General Purpose Cables



Simplex Factory5 Cable 2.5 mm Based Construction Step-Index 200 μm HCS® Riser and General Purpose Cables

OFS 2.5 mm HCS fiber cables are designed primarily for industrial data-communication applications. Taking advantage of the durability and toughness of HCS optical fibers, these tight-buffer cables surround the fiber with high-strength aramid yarn and are protected with a tough 2.5 mm diameter PVC jacket. For especially heavy-duty environments, choose the Factory5 option.

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OPTICAL PROPERTIES

| | |
|--|--|
| Type | Multimode Step-Index |
| Attenuation | @ 850 nm, ≤ 8 dB/km |
| Subcomponent Bare Fiber Specifications | CF01493-10, 200 HCS® Low OH 0.37 NA Fibers |

CABLE DESIGN

| | |
|-----------------------|------------------|
| Construction | Simplex Factory5 |
| Numerical Aperture | 0.37 |
| Fiber Core Diameter | 200 ± 4 μm |
| Sub-Unit Diameter | 2.5 ± 0.2 mm |
| Outer Cable Diameter | 5.0 mm |
| Cable Weight | 25 kg/km |
| Outer Jacket Material | PVC |
| Outer Jacket Color | Black |

| | |
|---------------------|--------------------------|
| Flammability Rating | UL-1666 (Riser), c(UL)US |
|---------------------|--------------------------|

INSTALLATION AND USAGE SPECIFICATIONS

| | |
|-----------------------------------|------------------|
| Maximum Installation Tensile Load | 300 lb 1334 N |
| Maximum Operating Tensile Load | 150 lb 667 N |
| Minimum Bend Radius Under Load | 75 mm |
| Minimum Bend Radius Unloaded | 50 mm |
| Operating Temperature | -20 to +80 °C |
| Storage Temperature | -20 to +80 °C |

ORDERING INFORMATION

| | |
|--------------------------|--|
| Product Description Code | Uncoded |
| Order From Location | <p>AVON LOCATION (headquarters) 1.888.438.9936 toll-free in the United States and Canada 1.860.678.0371 for all other locations 55 Darling Drive Avon, CT 06001, USA info@SpecialtyPhotonics.com</p> |

TYPICAL APPLICATIONS

Factory Automation Near-IR Spectroscopy

Industrial Communications

Laser Power Delivery

CRIMP & CLEAVE COMPATIBILITY

SMA Connectors

ST™ Connectors

OPTIONS

Also Available in Breakout Construction with up to 18 Sub-Units

Jacket Color

Print Legend

Terminated Assemblies