

**OFS, Specialty Photonics Division**

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**Item # BP05065-14, ST™ Connectors for Step-Index 200/230µm HCS®**

**ST™ Connectors for Step-Index 200/230µm HCS®**



OFS ST™ bayonet style connector system is compatible with OFS Crimp and Cleave Termination Kits. The ST connector takes advantage of the advanced optomechanical properties of HCS fiber, attaching through mechanical means rather than traditional epoxy/polish. This saves time and greatly simplifies installer training requirements. It is an excellent solution for field connectorization and repair in harsh, industrial environments. No epoxy, no curing, no polishing steps. Quick, easy, reliable.

[CONNECTOR PERFORMANCE DATA](#) · [CABLE DESIGN](#) · [COMPATIBILITY](#) · [ACCESSORIES](#) · [ASSEMBLIES](#) · [TYPICAL APPLICATIONS](#)

**CONNECTOR PERFORMANCE DATA**

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| Insertion Loss        | typical (Step-Index HCS®) @ 850 nm, 1.5 dB<br>typical (Graded-Index HCS®) @ 850 nm, 1.7 dB |
| Operating Temperature | -40 to 80 °C                                                                               |
| Cable Crimp Retention | 50 lb<br>223 N                                                                             |
| Overall Length        | 2.7 in<br>68.6 mm                                                                          |

**CABLE DESIGN**

|                 |        |
|-----------------|--------|
| Jacket Diameter | 3.0 mm |
|-----------------|--------|

**COMPATIBILITY**

|                                    |                                                                                                                                                                      |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For Use With Cable Types           | Step-Index 200/230µm HCS® Cables                                                                                                                                     |
| Compatible Field Termination Kit   | DT03732-32, Crimp &Cleave ST™ Termination Kit<br>DT03732-41, Crimp &Cleave ST™ Termination Kit                                                                       |
| Compatible Insertion Loss Test Kit | P10188-03, ST™ Insertion Loss Test Kit<br>P10188-08, Multi-Set (4-Types: V-Pin, ST™, SMA, and F07) Insertion Loss Test Kit<br>P10188-10, ST™ Insertion Loss Test Kit |

**ACCESSORIES**

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## ASSEMBLIES

All ST™ Connectors can be provided on respective HCS® cable constructions as factory terminated and fully tested assemblies. Please call Technical Support for information at 1-888-438-9936.

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## TYPICAL APPLICATIONS

Data Communicatoin Link

Factory Automation Systems

Near-IR Spectroscopy

Programmable Logic Control Systems

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