



### Description

HCS DataLight components series provides a full range of high quality connectors and couplers, supporting all state-of-the-art connectors types, including ST, SC (Simplex and Duplex) LC, FC, MT-RJ and HCS FastLight™. Other types, such SMA, FDDI, and VF-45 can be also supplied upon demand. HCS DataLight connectors and adapters are compatible with all fiber types including Singlemode 9/125 microns, Multimode 50/125 microns (OM2, OM3 and OM4) and Multimode 62.5/125 microns fibers.

HCS DataLight components comply with both major industry standards, ANSI/TIA/568-C.3 (Optical Fiber Cabling Components Standard) and IEC 60874 (Connectors for optical fibers and cables) providing a full range of connectors and adapters, offering a user-friendly solution in the vertical and horizontal environment.

HCS DataLight components are supported by the Century™ Lifetime Warranty and by the DoubleSafe™ QA program as a part of complete HCS cabling system.

### Applications

- Patch panels
- Patch cords
- Desktop outlets
- Distribution frames
- Direct termination to cables

### Qualifications and Approvals

HCS DataLight components are supported by the Century™ Lifetime Warranty and by the DoubleSafe™ QA program as a part of complete HCS cabling system and comply to ANSI/TIA/568-C.3 (Optical Fiber Cabling Components Standard) and IEC 60874 (Connectors for optical fibers and cables).

### Benefits & Features

- ➔ Full compliance to industry standards - Providing high quality components.
- ➔ Full compliance to all major fiber types - Providing a reliable and low-loss fiber termination
- ➔ Exceptional material properties and design - Providing a unique Century™ Lifetime Warranty.
- ➔ Optional plastic front panels - Providing custom color selection.
- ➔ Detailed installation manual in English and Turkish - Providing clear and comprehensive instructions.
- ➔ Robust and installer-friendly design - Providing reduced installation and operating costs
- ➔ Unique DoubleSafe™ Quality Assurance Program - Providing lowest rejection rate available.

### TECHNICAL SPECIFICATIONS - CONNECTORS

Connector Style & Fiber Type	Insertion Loss dB	Operating Temp. C	Storage Temp. C	Reflection Field Mount dB	Ferrule Material	Housing Material	Boot Material	Durability dB
ST Epoxy MM	0.3	-40+80	-40+85	25	Zirconia	Nickel Plate	Polyester	0.2
ST Epoxy SM	0.3	-40+80	-40+85	50	Zirconia	Nickel Plate	Polyester	0.2
SC Epoxy MM - IEC 61754-4	0.2	-40+85	-40+85	25	Ceramic	Thermoplastic	Polyester	0.2
SC Epoxy SM - IEC 61754-4	0.3	-40+85	-40+85	50	Ceramic	Thermoplastic	Polyester	0.2
SC/APC Epoxy SM - IEC 61754-4	0.3	-40+85	-40+85	65	Ceramic	Thermoplastic	Polyester	0.2
FC Epoxy MM - IEC 61754-13	0.2	-40+85	-40+85	25	Ceramic	Thermoplastic	Polyester	0.2
FC Epoxy SM - IEC 61754-13	0.3	-40+85	-40+85	50	Ceramic	Thermoplastic	Polyester	0.2
FC/APC Epoxy SM - IEC 61754-13	0.3	-40+85	-40+85	65	Ceramic	Thermoplastic	Polyester	0.2
MT-RJ MM - IEC 61754-18	0.2	-40+85	-40+85	20	Thermoplastic	Thermoplastic	Elastomer	0.2
MT-RJ SM - IEC 61754-18	0.3	-40+85	-40+85	50	Thermoplastic	Thermoplastic	Elastomer	0.2
LC MM - IEC 61754-20	0.2	-40+85	-40+85	20	Ceramic	Thermoplastic	Elastomer	0.2
LC SM - IEC 61754-20	0.3	-40+85	-40+85	50	Ceramic	Thermoplastic	Elastomer	0.2
MPO / MTP MM - IEC 61754-7	0.5	-40+85	-40+85	50	MT	Thermoplastic	Elastomer	0.2
MPO / MTP SM - IEC 61754-7	0.35	-40+85	-40+85	50	MT	Thermoplastic	Elastomer	0.2

## TECHNICAL SPECIFICATIONS - COUPLERS

Adapter Style & Fiber Type	Type	Operating Temp. C	Storage Temp. C	Sleeve Material	Housing Material	Connector Color
ST Coupler MM	NA	45	45	Phosphor Bronze	Nickel Plate	Metal
ST Coupler SM	NA	45	45	Ceramic	Nickel Plate	Metal
SC Coupler MM	Simplex	45	45	Phosphor Bronze	Thermoplastic	Beige
SC Coupler SM	Simplex	45	45	Ceramic	Thermoplastic	Blue
SC/APC Coupler SM	Simplex	45	45	Ceramic	Thermoplastic	Green
SC Coupler MM	Duplex	45	45	Phosphor Bronze	Thermoplastic	Beige
SC Coupler SM	Duplex	45	45	Ceramic	Thermoplastic	Blue
SC/APC Coupler SM	Duplex	45	45	Ceramic	Thermoplastic	Green
FC Coupler MM	D-Mount	45	45	Phosphor Bronze	Metal	Metal
FC Coupler SM	D-Mount	45	45	Ceramic	Metal	Metal
FC Coupler MM	Square Flange	45	45	Phosphor Bronze	Metal	Metal
FC Coupler SM	Square Flange	45	45	Ceramic	Metal	Metal
FC/APC Coupler SM	D-Mount	45	45	Ceramic	Metal	Metal
FC/APC Coupler SM	Square Flange	45	45	Ceramic	Metal	Metal
MT-RJ Coupler MM	Duplex	45	45	-	Thermoplastic	Beige
MT-RJ Coupler SM	Duplex	45	45	-	Thermoplastic	Blue
LC Coupler MM	Simplex	45	45	Ceramic	Thermoplastic	Beige
LC Coupler SM	Simplex	45	45	Ceramic	Thermoplastic	Blue
LC Coupler MM	Duplex	45	45	Ceramic	Thermoplastic	Beige
LC Coupler SM	Duplex	45	45	Ceramic	Thermoplastic	Blue
MPO Coupler MM & SM	NA	45	45	-	Thermoplastic	Black

Note: MM=Multimode, 50/125 and 62.5/125 microns fibers. SM=9/125 microns Singlemode fibers.

## ORDERING INFORMATION

HCS P/N	Description	Color	Compatible Fiber	Packaging	MOQ	Notes
VFO-11001	DataLight ST Epoxy Connector	Metal	MM	25/Box	1 Box	-
VFO-11002	DataLight ST Epoxy Connector	Metal	SM	25/Box	1 Box	-
VFO-12001	DataLight SC Epoxy Connector	Beige	MM	25/Box	1 Box	-
VFO-12002	DataLight SC Epoxy Connector	Blue	SM	25/Box	1 Box	-
VFO-13002	DataLight SC/APC Epoxy Connector	Green	SM	25/Box	1 Box	-
VFO-14001	DataLight FC Epoxy Connector	Metal	MM	25/Box	1 Box	-
VFO-14002	DataLight FC Epoxy Connector	Metal	SM	25/Box	1 Box	-
VFO-15002	DataLight FC/APC Epoxy Connector	Metal	SM	25/Box	1 Box	-
VFO-16001	DataLight MT-RJ Epoxy Connector	Beige	MM	25/Box	1 Box	-
VFO-16002	DataLight MT-RJ Epoxy Connector	Beige	SM	25/Box	1 Box	-
VFO-17001	DataLight LC Simplex Connector	Beige	MM	25/Box	1 Box	-
VFO-17002	DataLight LC Simplex Connector	Beige	SM	25/Box	1 Box	-
VFO-17M01	DataLight Mini-LC Simplex Connector	Beige	MM	25/Box	1 Box	-
VFO-17M02	DataLight Mini-LC Simplex Connector	Beige	SM	25/Box	1 Box	-
VFO-21101	DataLight ST Simplex Metallic Coupler	Metal	MM	25/Box	1 Box	-
VFO-21102	DataLight ST Simplex Metallic Coupler	Metal	SM	25/Box	1 Box	-
VFO-21111	DataLight ST Simplex Plastic Coupler	Blue	MM	25/Box	1 Box	-
VFO-22111	DataLight SC Simplex Plastic Coupler	Beige	MM	25/Box	1 Box	-
VFO-22112	DataLight SC Simplex Plastic Coupler	Blue	SM	25/Box	1 Box	-
VFO-23112	DataLight SC/APC Simplex Plastic Coupler	Green	SM	25/Box	1 Box	-
VFO-23212	DataLight SC/APC Duplex Plastic Coupler	Green	SM	25/Box	1 Box	-
VFO-22211	DataLight SC Duplex Plastic Coupler	Beige	MM	25/Box	1 Box	-
VFO-22213	DataLight SC Duplex Plastic Coupler	Aqua	MM	25/Box	1 Box	-
VFO-22214	DataLight SC Duplex Plastic Coupler	Violet	MM	25/Box	1 Box	-
V58-22215	DataLight SC Duplex Plastic Adapter	Lime Green	MM OM5	25/Box	1 Box	-
VFO-22212	DataLight SC Duplex Plastic Coupler	Blue	SM	25/Box	1 Box	-
VFO-24131	DataLight FC Simplex Metallic Coupler Square-Flange	Metal	MM	25/Box	1 Box	-
VFO-24132	DataLight FC Simplex Metallic Coupler Square-Flange	Metal	SM	25/Box	1 Box	-
VFO-25132	DataLight FC/APC Simplex Metallic Coupler Square-Flange	Metal	SM	25/Box	1 Box	-
VFO-24141	DataLight FC Simplex Metallic Coupler D-mount	Metal	MM	25/Box	1 Box	-
VFO-24142	DataLight FC Simplex Metallic Coupler D-mount	Metal	SM	25/Box	1 Box	-
VFO-25142	DataLight FC/APC Simplex Metallic Coupler D-mount	Metal	SM	25/Box	1 Box	-
VFO-26211	DataLight MT-RJ Duplex Plastic Coupler	Beige	MM	25/Box	1 Box	-
VFO-26212	DataLight MT/RJ Duplex Plastic Coupler	Blue	SM	25/Box	1 Box	-
VFO-27101	DataLight LC Simplex Plastic Coupler	Beige	MM	25/Box	1 Box	-
VFO-27102	DataLight LC Simplex Plastic Coupler	Blue	SM	25/Box	1 Box	-
VFO-27201	DataLight LC Duplex Plastic Coupler	Beige	MM	25/Box	1 Box	-
VFO-27203	DataLight LC/APC Duplex Plastic Coupler	Green	SM	25/Box	1 Box	-
VFO-27206	DataLight LC Duplex Plastic Coupler	Aqua	MM OM3	25/Box	1 Box	-
VFO-27204	DataLight LC Duplex Plastic Coupler	Violet	MM	25/Box	1 Box	-
VFO-27202	DataLight LC Duplex Plastic Coupler	Blue	SM	25/Box	1 Box	-
V58-27205	DataLight LC Duplex Plastic Adapter	Lime Green	MM OM5	25/Box	1 Box	-
VFO-27401	DataLight LC Quad Plastic Coupler	Beige	MM	25/Box	1 Box	-
VFO-27403	DataLight LC/APC Quad Plastic Coupler	Green	SM	25/Box	1 Box	-
VFO-27406	DataLight LC Quad Plastic Coupler	Aqua	MM OM3	25/Box	1 Box	-
VFO-27404	DataLight LC Quad Plastic Coupler	Violet	MM	25/Box	1 Box	-
VFO-27402	DataLight LC Quad Plastic Coupler	Blue	SM	25/Box	1 Box	-
VFO-27251	DataLight LC Duplex Plastic Coupler Shuttered	Beige	MM	25/Box	1 Box	-
VFO-27253	DataLight LC Duplex Plastic Coupler Shuttered	Aqua	MM	25/Box	1 Box	-
VFO-27254	DataLight LC Duplex Plastic Coupler Shuttered	Violet	MM	25/Box	1 Box	-
VFO-27252	DataLight LC Duplex Plastic Coupler Shuttered	Blue	SM	25/Box	1 Box	-
VFO-27451	DataLight LC Quad Plastic Coupler Shuttered	Beige	MM	25/Box	1 Box	-
VFO-27453	DataLight LC Quad Plastic Coupler Shuttered	Aqua	MM	25/Box	1 Box	-
VFO-27454	DataLight LC Quad Plastic Coupler Shuttered	Violet	MM	25/Box	1 Box	-
VFO-27452	DataLight LC Quad Plastic Coupler Shuttered	Blue	SM	25/Box	1 Box	-
VFO-28001	DataLight MPO Coupler	Black	MM & SM	25/Box	1 Box	-

Note: MM=Multimode, 50/125 and 62.5/125 microns fibers. SM=9/125 microns Singlemode fibers.