

# HCS Brilliant 8 & 12 System Solutions







































Secured Connection with LC Keyed Cassettes & Cords!





## **Brilliant Solutions Introduction**

High density & Data center fiber deployment become a major challenge to operators – Fiber communication become the critical asset of the organization – the need for fail safe, high quality, reliable, flexible, scalable, manageable and visible – to operate 24/7 nonstop is a must for any organization Communication / DATA.

HCS's Brilliant Fiber solutions are high-density pre-terminated optical cabling solutions that achieve all this goals – via its Matrix concept that create the best visual and manageable solution – been able to visual & manage 144F/288F/576F points in one platform, is truly a revolution in FO deployment for any high density and Data Center environment.

HCS's Brilliant Fiber solutions simplify installation and take performance to the next level. HCS Brilliant bend-insensitive optical fibers both for Multimode applications OM3/OM4/OM5 & Singlemode application G.657.A2 are the corner stone of the HCS's Brilliant Fiber solutions guaranteed high quality performance under all installation process and challenges, as well as the complete fiber channel Insertion loss that guaranty matching between all fiber components.

HCS's Brilliant Fiber solutions factory pre-terminated provide fast deployment improved system performance, guaranty channel performance and component compatibility, with complete range of Transition cassettes MTP<sup>®</sup>/MPO-LC, MTP<sup>®</sup>/MPO-MTP<sup>®</sup>/MPO, Splice cassette, Adapter cassete, 1U-4U Housing, Fiber trunk cables, patch cords, harness & other accessories – to insure complete fiber solution to all applications.

HCS's Brilliant Fiber solutions contains 8F, 12F, 24F (first generation solution) base fiber and its multiples – to cover all existing and future needs for any deployment, the new front end cable management insure precise access to any port in seconds, without interruption to the working system – all modules support and supply per demand with any EIA/TIA-568C polarity options, to support 10G, 40G, 100G, 400G, 800G Ethernet, InfiniBand & Fiber Channel (32G).





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## **HCS Brilliant Solutions Fiber Performance**

### MTP<sup>®</sup>/MPO to LC Modules – Low-Loss

	Insertion Loss, OM3/OM4/OM5	SM
Module Values	≤ 0.50 dB	≤ 1.0 dB

#### MTP®/MPO to LC Modules - Super-Low-Loss

	Insertion Loss, OM3/OM4/OM5	SM
Module Values	≤ 0.35 dB	≤ 0.50 dB

### MTP<sup>®</sup>/MPO to LC Modules – Super-Low-Loss-Plus

	Insertion Loss, OM3/OM4/OM5	SM
Module Values	≤ 0.30 dB	≤ 0.45 dB

### Connected Mated Pair – Super-Low-Loss

	Insertion Loss, OM3/OM4/OM5	SM
LC Connector	≤ 0.10 dB	≤ 0.15 dB
MTP <sup>®</sup> /MPO Connector	≤ 0.25 dB	≤ 0.35 dB

\*All MTP®/MPO connectors on trunks or assembly are produce to meet Super-Low-Loss-Plus performance

\*All LC connectors on trunks or assembly are produce to meet Super-Low-Loss-Plus performance

### Connected Mated Pair – Super-Low-Loss-Plus

	Insertion Loss, OM3/OM4/OM5	SM
LC Connector	≤ 0.10 dB	≤ 0.10 dB
MTP <sup>®</sup> /MPO Connector	≤ 0.20 dB	≤ 0.35 dB

\*All MTP<sup>®</sup>/MPO connectors on trunks or assembly are produce to meet Super-Low-Loss-Plus performance \*All LC connectors on trunks or assembly are produce to meet Super-Low-Loss-Plus performance

### Conversion MTP®/MPO to MTP®/MPO Modules

	Insertion Loss, OM3/OM4	
Module Value	≤ 0.5 dB	





## HCS Brilliant 8 System Trunk Cables

Fiber Count	OD nom (mm)	Jacket	Cable Design	Weight (kg/km)	Sub units (mm)	Max TS	Fire Standard	Crash Resistance N/100mm	Pulling Eye
8	4.5	Double Jacket	1x8F	23	1x3.0	450N	IEC 60332-3-24	1000N	YES
24	7.5	Double Jacket	3x8F	42	3x2.0	450N	IEC 60332-3-24	1000N	YES
48	8.5	Double Jacket	6x8F	66	6x2.0	450N	IEC 60332-3-24	1000N	YES
96	12.0	Double Jacket	12x8F	138	12x2.0	660N	IEC 60332-3-24	1000N	YES
144	12.8	Double Jacket	18x8F	140	18x2.0	660N	IEC 60332-3-24	1000N	YES

## HCS Brilliant 12 System Trunk Cables

Fiber Count	OD nom (mm)	Jacket	Cable Design	Weight (kg/km)	Sub units (mm)	Max TS	Fire Standard	Crash Resistance N/100mm	Pulling Eye
12	4.5	Double Jacket	1x12F	23	1x3.0	450N	IEC 60332-3-24	1000N	YES
24	7.5	Double Jacket	2x12F	42	2x2.0	450N	IEC 60332-3-24	1000N	YES
48	8.5	Double Jacket	4x12F	60	4x2.0	450N	IEC 60332-3-24	1000N	YES
96	10.0	Double Jacket	8x12F	96	8x2.0	660N	IEC 60332-3-24	1000N	YES
144	12.0	Double Jacket	12x12F	140	12x2.0	660N	IEC 60332-3-24	1000N	YES

## HCS Brilliant 8 & 12 System Assembly Cables

Fiber Count	OD nom (mm)	Jacket	Cable Design	Weight (kg/km)	Sub units (mm)	Max TS	Fire Standard	Crash Resistance N/100mm	Pulling Eye
8	3.0	Single Jacket	1x8F	7.6	1X3.0	150N	IEC 60332-3-24	500N	YES
12	3.0	Single Jacket	1X12F	7.6	1X3.0	150N	IEC 60332-3-24	500N	YES





## HCS Brilliant Trunk & Assembly Optical Performance



### Multimode- Super-Low-Loss

Trunks	RL Connector A	RL Connector B	Max. Insertion Loss Connector A	Max. Insertion Loss Connector B
MTP <sup>®</sup> /MPO-MTP <sup>®</sup> /MPO	≤ -25 dB	≤ -25 dB	≤ 0.25 dB	≤ 0.25 dB
MTP <sup>®</sup> /MPO-LC	≤ -25 dB	≤ -25 dB	≤ 0.25 dB	≤ 0.10 dB
LC Duplex Singleboot-LC Duplex Singleboot	≤ -25 dB	≤ -25 dB	≤ 0.10 dB	≤ 0.10 dB

### Singlemode - Super-Low-Loss

Trunks	RL Connector A	RL Connector B	Max. Insertion Loss Connector A	Max. Insertion Loss Connector B
MTP <sup>®</sup> /MPO(APC)-MTP <sup>®</sup> /MPO(APC)	≤ -65 dB	≤ -65 dB	≤ 0.35 dB	≤ 0.35 dB
MTP®/MPO(APC)-LC	≤ -65 dB	≤ -40 dB	≤ 0.35 dB	≤ 0.15 dB
MTP <sup>®</sup> /MPO(APC)-LC(APC)	≤ -65 dB	≤ -60 dB	≤ 0.35 dB	≤ 0.15 dB
LC Duplex Singleboot-LC Duplex Singleboot (PC)	≤ -40 dB	≤ -40 dB	≤ 0.15 dB	≤ 0.15 dB
LC Duplex Singleboot-LC Duplex Singleboot (APC)	≤ -60 dB	≤ -60 dB	≤ 0.15 dB	≤ 0.15 dB

### Multimode- Super-Low-Loss-Plus

Trunks	RL Connector A	RL Connector B	Max. Insertion Loss Connector A	Max. Insertion Loss Connector B
MTP <sup>®</sup> /MPO-MTP <sup>®</sup> /MPO	≤ -25 dB	≤ -25 dB	≤ 0.20 dB	≤ 0.20 dB
MTP®/MPO-LC	≤ -25 dB	≤ -25 dB	≤ 0.20 dB	≤ 0.10 dB
LC Duplex Singleboot-LC Duplex Singleboot	≤ -25 dB	≤ -25 dB	≤ 0.10 dB	≤ 0.10 dB

### Singlemode - Super-Low-Loss-Plus

Trunks	RL Connector A	RL Connector B	Max. Insertion Loss Connector A	Max. Insertion Loss Connector B
MTP®/MPO(APC)-MTP®/MPO(APC)	≤ -65 dB	≤ -65 dB	≤ 0.35 dB	≤ 0.35 dB
MTP®/MPO(APC)-LC	≤ -65 dB	≤ -40 dB	≤ 0.35 dB	≤ 0.10 dB
MTP®/MPO(APC)-LC(APC)	≤ -65 dB	≤ -60 dB	≤ 0.35 dB	≤ 0.10 dB
LC Duplex Singleboot-LC Duplex Singleboot (PC)	≤ -40 dB	≤ -40 dB	≤ 0.10 dB	≤ 0.10 dB
LC Duplex Singleboot-LC Duplex Singleboot (APC)	≤ -60 dB	≤ -60 dB	≤ 0.10 dB	≤ 0.10 dB

Connector insertion-loss performance are for reference only as HCS tests the complete trunk & assembly performance, that include 2 sides



## **HCS Brilliant Solutions HD Housing**

HCS Brilliant solutions HD housings are mountable in 19 inch racks and cabinets and provide industry-leading high-density connectivity when combined with Brilliant modules, panels, harnesses, trunks, and patch cords.

### **General Properties**

Frame Front cover Operating temperature Storage temperature Plastic parts Port identification Panel access Cassette access Back Cable Front Cable Metal, colored black Removable -10 to +60C at 5-85% RH -40 to +70C High-impact flame retardant Polycarbonate Numbering labels and labeling stickers Front slide rail with two stop positions Front slide rail with two stop positions Management Removable per 1U with strain-relief clamp Management Removable per 1U with strain-relief clamp

## HCS Brilliant 8 Solutions HD Housing





**Z-PFO-K0818-1U** | Brilliant 8, 1U 72x LC duplex ports (144 fibre) 72x MTP ports (576 fibre)

**Ordering Information** 

**Z-PFO-K0836-2U** | Brilliant 8, 2U 144x LC duplex ports (288 fibre) 144x MTP ports (1152 fibre)



**Z-PFO-K0872-4U** | Brilliant 8, 4U 288x LC duplex ports (576 fibre) 288x MTP ports (2304 fibre)

Part Number	Height	Dimensions (W x D x H)	Number of Cassettes per Housing
Z-PFO-K0818-1U	1U	482 mm x 410 mm x 44 mm, 19 inch	18
Z-PFO-K0836-2U	2U	482 mm x 410 mm x 88 mm, 19 inch	36
Z-PFO-K0872-4U	4U	482 mm x 410 mm x 177 mm, 19 inch	72

## HCS Brilliant 12 Solutions HD Housing





**Z-PFO-K1212-1U** | Brilliant 12, 1U 72x LC duplex ports (144 fibre) 72x MTP ports (576 fibre) **Z-PFO-K1224-2U** | Brilliant 12, 2U 144x LC duplex ports (288 fibre) 144x MTP ports (1152 fibre)



**Z-PFO-K1248-4U** | Brilliant 12, 4U 288x LC duplex ports (576 fibre) 288x MTP ports (2304 fibre)

### **Ordering Information**

Part Number	Height	Dimensions (W x D x H)	Number of Cassettes per Housing
Z-PFO-K1212-1U	1U	482 mm x 410 mm x 44 mm, 19 inch	12
Z-PFO-K1224-2U	2U	482 mm x 410 mm x 88 mm, 19 inch	24
Z-PFO-K1248-4U	4U	482 mm x 410 mm x 177 mm, 19 inch	48



## HCS Brilliant MTP<sup>®</sup>/MPO Trunks

HCS Brilliant MTP<sup>®</sup>/MPO trunks are pre-terminated Plug & Play cabling solution provide the backbone of the Brilliant solution. Using MTP<sup>®</sup>/MPO connectors with push-pull boot on both ends, these trunks are designed to interface with the Brilliant pre-terminated solutions systems modules. All MTP<sup>®</sup>/MPO trunks are manufactured and shipped with strain-relief clips and pulling eye to allow easy tool-less installation.

Brilliant MTP<sup>®</sup>/MPO trunks are available with SM G.657.A2, MM OM3 BI, MM OM4 BI and MM OM5 BI they are produced and tested each one individualy Super-Low-Loss and Super-Low-Loss-Plus performance.



MTP<sup>®</sup> / MPO Trunk



#### Example:

Z-T-A55-CACCS-105-NA-F HCS Brilliant 8, 8 Fibers MPO Trunk, MM OM3 BI, LSOH 60332-3-24, Aqua,

1x8 Fiber MPO (Non Pinned) - 1x8 Fiber MPO(Non Pinned), Super-Low-Loss-Plus, 105 meters, Without Pulling Eye, Polarity A

Z-T-C57-CVABL-095-PB-F HCS Brilliant 8, 24 Fibers MPO Trunk, MM OM4 BI, LSOH 60332-3-24, Violet, 3x8 Fiber MTP®(Non Pinned) - 3x8 Fiber MTP®(Pinned), Super-Low-Loss, 95 meters, With Pulling Eye, Polarity B

Z-T-CA2-CYHGL-358-PC-F HCS Brilliant 12, 24 Fibers MPO Trunk, SM G.657.A2 BI, LSOH 60332-3-24, Yellow, 2x12 Fiber MPO/APC(Pinned) - 2x12 Fiber MPO/APC(Non-Pinned), Super-Low-Loss, 358 meters, With Pulling Eye, Polarity C

Z-T-G59-CGEES-049-NC-F HCS Brilliant 12, 144 Fibers MPO Trunk, MM OM5 BI, LSOH 60332-3-24, Lime Green, 12x12 Fiber MTP<sup>®</sup>(Non Pinned) - 12x12 Fiber MTP<sup>®</sup>(Non-Pinned), Super-Low-Loss-Plus, 49 meters, Without Pulling Eye, Polarity C



## HCS Brilliant MTP<sup>®</sup>/MPO to LC Assembly

HCS Brilliant MTP<sup>®</sup>/MPO-LC Assembly are pre-connected Plug & Play solution to be connected with HCS Brilliant Cassette.

The Cords on LC side are singleboot for fast deployment by the user. All assemblies are available with SM G.657.A2, MM OM3 BI, MM OM4 BI and MM OM5 BI. Assemblies are produced and tested individualy to meet Super-Low-Loss and Super-Low-Loss-Plus performance. LC side support polarity changing.



MTP<sup>®</sup>/MPO to LC Assembly



#### Example:

Z-U-A55-CAAIL-105-D-N

HCS Brilliant 8, 8 Fibers MTP® to LC Assembly, MM OM3 BI, LSOH 60332-3-24, Aqua, 1x8 Fiber MTP® (Non Pinned) - 4xLC/PC(Duplex), Super-Low-Loss, 105 meters, Without Pulling Eye

#### Z-U-B57-CVFIS-234-D-N

HCS Brilliant 12, 12 Fibers MTP<sup>®</sup> to LC Assembly, MM OM4 BI, LSOH 60332-3-24, Violet, 1x12 Fiber MTP<sup>®</sup> (Pinned) - 6xLC/PC(Duplex), Super-Low-Loss-Plus, 234 meters, Without Pulling Eye

Z-U-BA2-CYGIS-050-D-P

HCS Brilliant 12, 12 Fibers MPO to LC Assembly, SM G.657.A2 BI, LSOH 60332-3-24, Yellow, 1x12 Fiber MPO (Non-Pinned) - 6xLC/PC(Duplex), Super-Low-Loss-Plus, 50 meters, With Pulling Eye



## HCS Brilliant MTP<sup>®</sup>/MPO to MTP<sup>®</sup>/MPO Assembly

HCS Brilliant MTP<sup>®</sup>/MPO assembles are pre-termianted Pug & Play cabling solution provide the backbone of the Brilliant solution. Using MTP<sup>®</sup>/MPO connectors with push-pull boot on both ends, these assemblies are designed to interface with the Brilliant pre-terminate solutions systems modules. All MTP<sup>®</sup>/MPO trunks are manufactured and shipped with strain-relief clips and pulling eye to allow easy tool-less installation.

Brilliant MTP<sup>®</sup>/MPO assemblies are available with SM G.657.A2, MM OM3 BI, MM OM4 BI and MM OM5 BI. Assemblies are produced and tested each one individualy Super-Low-Loss and Super-Low-Loss-Plus performance.



MTP<sup>®</sup>/MPO to MTP<sup>®</sup>/MPO Assembly



#### Example:

Z-V-A55-CAAAL-105-NA-F

HCS Brilliant 8, 8 Fibers MTP® to MTP® Assembly, MM OM3 BI, LSOH 60332-3-24, Aqua, 1x8 Fiber MTP®(Non Pinned) - 1x8 Fiber MTP®(Non Pinned), Super-Low-Loss, 105 meters, Without Pulling Eye, Polarity A

Z-V-A57-CVCCS-055-PC-F

HCS Brilliant 8, 8 Fibers MPO to MPO Assembly, MM OM4 BI, LSOH 60332-3-24, Violet,

1x8 Fiber MPO(Non Pinned) - 1x8 Fiber MPO(Non Pinned), Super-Low-Loss-Plus, 55 meters, With Pulling Eye, Polarity C

Z-V-BA2-CYFEL-843-PB-F

HCS Brilliant 12, 12 Fibers MTP<sup>®</sup> to MTP<sup>®</sup> Assembly, SM G.657.A2 BI, LSOH 60332-3-24, Yellow, 1x12 Fiber MTP<sup>®</sup>(Pinned) - 1x12 Fiber MTP<sup>®</sup>(Non Pinned), Super-Low-Loss, 843 meters, With Pulling Eye, Polarity B



## HCS Brilliant Singleboot Cord

HCS Brilliant Singleboot Patch Cord are 2.0mm FO Cord design to used with HCS Brilliant Cassette. The design allow the user to manage the patch cord even in the most high-density environment. HCS Brilliant FO Singleboot Cords are available with SM G.657.A2, MM OM3 BI, MM OM4 BI and MM OM5 BI.

Each cord is produced and tested seperately to meet Super-Low-Loss and Super-Low-Loss-Plus Performance.

Cords support polarity changing.



Singleboot FO Cord



Z-W-B55-CAIIL-001

HCS Brilliant, 2 Fibers Singleboot LC/PC(DX) to LC/PC(DX) FO Cord, MM OM3 BI, LSOH 60332-3-24, Aqua, Super-Low-Loss, 1 meter, A-to-B, Polarity Switchable

Z-W-B57-CVJJL-005

HCS Brilliant, 2 Fibers Singleboot LC/PC(DX) to LC/PC(DX) FO Cord, MM OM4 BI, LSOH 60332-3-24, Violet, Super-Low-Loss, 5 meter, A-to-B, Polarity Switchable



## **HCS Brilliant Splicing Cassettes**

HCS Brilliant Splicing Cassettes are available with 8 fibers and 12 fibers capacity. The cassette come fully equipt including cassette, adapters, 1.5meter color-coded pigtails, splicing tray and splicing protection tubes.

All pigtails are available with SM G.657.A2, MM OM3 BI, MM OM4 BI and MM OM5 BI with Max. IL 0.15db.

The cassettes are ready for direct termination of any customer cable to access the Brilliant Cabling System.

HCS Splicing solution offer HD of 144 Fiber in 1U to increase customer capacity and divide 8 fibers or 12 fibers modules which give full modularity and cable management.

The cassette are identical to all brilliant cassette design and size and as part of HCS Matrix solution that is the new evolution in HD Fiber Optic port management allowing the customer direct access simultaneously to all 144 FO port allowing fast, clear, easy changes and transparent port management.



Brilliant 8, 8 Fiber Splicing Cassette



### Z-S-A55-II-L

HCS Brilliant 8, 8 Fibers LC/PC Splicing Cassette, MM OM3 BI, Super-Low-Loss (Including Splice Holder, 8\*Splice Protection Tube, 8\*1.5 meter different color LC Pigtail)

Z-S-AA2-LL-L

HCS Brilliant 8, 8 Fibers LC/PC Splicing Cassette, SM G.657.A2 BI, Super-Low-Loss (Including Splice Holder, 8\*Splice Protection Tube, 8\*1.5 meter different color LC Pigtail)

Z-S-BA2-MM-L

HCS Brilliant 12, 12 Fibers LC/APC Splicing Cassette, SM G.657.A2 BI, Super-Low-Loss (Including Splice Holder, 12\*Splice Protection Tube, 12\*1.5 meter different color LC Pigtail)



### **HCS Brilliant Adapter Cassettes**

HCS Brilliant Adapter Cassettes are available with 8 fiber and 12 fiber LC capacity or 32 or 72 MTP®/MPO Capacity. The cassettes are ready for direct termination of any customer terminated cable to access the Brilliant Cabling System. HCS Adapter solution offer HD of 144 Fiber LC or 576 Fiber MTP®/MPO(brilliant 8) or 864 fiber MTP®/MPO(brilliant 12) in 1U to increase customer capacity and divide 8 fibers or 12 fibers modules which give full modularity and cable management. The cassette are identical to all brilliant cassette design and size and as part of HCS Matrix solution that is the new evolution in HD Fiber Optic port management allowing the customer direct access simultaneously to all 144/576/864 FO port allowing fast, clear, easy changes and transparent port management.



#### Example:

Z-A-AI HCS Brilliant 8, Adapter Cassette, 6\*LC/PC MM OM3 Aqua

#### Z-A-BM

HCS Brilliant 12, Adapter Cassette, 6\*LC/APC SM Green

Z-A-AC

HCS Brilliant 8, Adapter Cassette, 4\*MTP® Black Adapters (Type A: KeyUp-to-KeyDown)

Z-A-BG HCS Brilliant 12, Adapter Cassette, 6\*MPO Black Adapters (Type A: KeyUp-to-KeyDown)



### **HCS Brilliant Transition Cassettes**

HCS Brilliant Transition Cassettes are available with 8 fiber and 12 fiber capacity and terminated with MTP<sup>®</sup>/MPO to LC Adapters. The cassettes are ready for plug & play with HCS trunk and assembly cables. The transition cassettes are available with low-loss, super-low-loss and super-low-loss-plus options securing the lowest IL channel in the industry.

HCS Transition solution offer HD of 144 Fiber in 1U to increase customer capacity and divide 8 fibers or 12 fibers modules which give full modularity and cable management.

The cassette are identical to all brilliant cassette design and size and as part of HCS Matrix solution that is the new evolution in HD Fiber Optic port management allowing the customer direct access simultaneously to all 144 FO port allowing fast, clear, easy changes and transparent port management.



#### Example: 7-B-A55-CI-A-O

HCS Brilliant 8, 8 Fibers MTP<sup>®</sup>(Pinned) to LC/PC Transition Cassette, MM OM3 BI, Low-Loss (Adapter Type A: KeyUp-to-KeyDown) (Polarity Straight: "M1toL1, M2toL2, M3toL3, M4toL4,M9toL5,M10toL6,M11toL7,M12toL8")

Z-B-BA2-GM-A-S

HCS Brilliant 12, 12 Fibers MPO(Pinned) to LC/APC Transition Cassette, SM G.657.A2 BI, Super-Low-Loss-Plus (Adapter Type A: KeyUp-to-KeyDown) (Polarity Straight: "M1toL1, M2toL2, M3toL3, M4toL4, M5toL5, M6toL6, M7toL7, M8toL8, M9toL9, M10toL10, M11toL11, M12toL12")



## **HCS Brilliant Conversion Cassettes**

HCS Brilliant Conversion Cassettes are available as 3x8fiber - 2x12fiber and 6x8fiber - 4x12fiber which enabling the user to change from 8 fiber system to 12 fiber system without need to change the trunk cabling system from 8 fiber to 12 fiber. The cassettes are ready for plug & play with HCS trunk and assembly cables. The Conversion cassettes are available with super-low-loss option securing the lowest IL channel in the industry.

HCS Conversion solution offer HD of 432 or 576 Fiber in 1U. To increase customer capacity and divide 8 fibers or 12 fibers modules which give full modularity and cable management.

The cassette are identical to all brilliant cassette design and size and as part of HCS Matrix solution that is the new evolution in HD Fiber Optic port management allowing the customer direct access simultaneously to all FO port allowing fast, clear, easy changes and transparent port management.





### HCS Brilliant Secure LC Keyed Cassettes and Cords

HCS Brilliant 8 & 12 Secure LC Keyed SM & MM Cassettes and Cords are designed to ensure mechanical network security by preventing improper connections between segregated networks.

It features a unique color-coded and keyed design, with twelve different colors representing different keys. Each adapter will only mate with a Patch Cords of the same color, ensuring that connections are made correctly and securely.

### Features & Benefits

- Keyed adaptor and connector for increase security
- Robust body design: ensures durability and longevity
- Compliant with IEC61754-20 interface
- Enhanced security
- Color coded for simplicity
- Support of Singlemode and Multimode Options
- Enhanced reliability construction
- Exceptional durability
- Versatile applications: suitable for both highstakes and everyday use scenarios

#### Applications

- Telecommunications
- Data centers
- Local area networks (LANs)
- Fiber to the home (FTTH)
- Enterprise networks
- Medical equipment
- Industrial applications
- Military and aerospace
- Broadcasting

#### **Available Colors**



Brilliant LC Secure LC Keyed Cassettes





### HCS Brilliant Secure LC Keyed Cords P/N System







### HCS Brilliant Secure LC Keyed Splicing Cassettes P/N System



### HCS Brilliant Secure LC Keyed Adapter Cassettes P/N System

