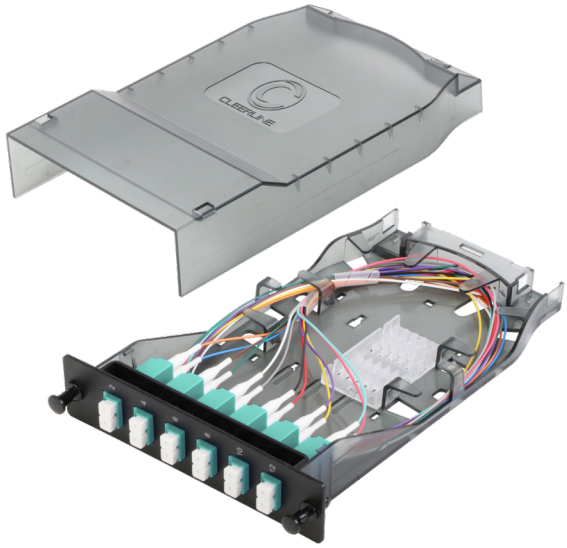
Cleerline™ HD Splice Cassettes

Cleerline HD Splice Cassettes provide an efficient solution for managing fusion-spliced fibers. Each cassette comes preloaded with 6-24 x 900 µm 1 meter long fiber pigtails, eliminating the need for a separate splice tray. Inside the cassette, splice holders and a cable winding area allow cable management and organization.

These splice cassettes are sized to fit within any LGX compatible opening.

Cleerline HD Splice Cassettes have a removable transparent cover to allow easy fiber verification. All cassettes include heat shrink splice protection tubes, removable splice organizers, and cable management accessories. Splice cassettes are available preloaded in OM4 (multimode), OS2 (single-mode) fibers, and OS2 APC (angled polish connector) configurations.

Cassettes adapters and fibers are color-coded according to TIA standards.



FEATURES AND BENEFITS

- Space-saving design (LGX compatible)
- Transparent housing for easy fiber verification
- Preloaded design with TIA color-coded pigtails
- Pigtail design supports either individual fiber or ribbon splicing
- No additional splice trays required
- Cable winding area for fiber management

APPLICATIONS

- Applications where enclosure and protection of splices is desired.
- High density environments, data centers, telecommunications network
- Applications requiring fusion splicing

PART NUMBER	FIBER	CONNECTOR TYPE	FIBERS	INSERTION LOSS	RETURN LOSS	ACCESSORIES
CTG-SHDLC12-MM	OM4	LC	12	Max ≤ 0.25 dB	≥ 26 dB	Cable Ties / Splice Sleeves
CTG-SHDLC24-MM	OM4	LC	24	Max ≤ 0.25 dB	≥ 26 dB	Cable Ties / Splice Sleeves
CTG-SHDSC06-MM	OM4	SC	6	Max ≤ 0.25 dB	≥ 26 dB	Cable Ties / Splice Sleeves
CTG-SHDSC12-MM	OM4	SC	12	Max ≤ 0.25 dB	≥ 26 dB	Cable Ties / Splice Sleeves
CTG-SHDLC12-SMU	OS2	LC	12	Max ≤ 0.25 dB	≥ 50 dB	Cable Ties / Splice Sleeves
CTG-SHDLC24-SMU	OS2	LC	24	Max ≤ 0.25 dB	≥ 50 dB	Cable Ties / Splice Sleeves
CTG-SHDSC06-SMU	OS2	SC	6	Max ≤ 0.25 dB	≥ 50 dB	Cable Ties / Splice Sleeves
CTG-SHDSC12-SMU	OS2	SC	12	Max ≤ 0.25 dB	≥ 50 dB	Cable Ties / Splice Sleeves
CTG-SHDLC12-SMA	OS2	LC	12	Max ≤ 0.25 dB	≥ 60 dB	Cable Ties / Splice Sleeves
CTG-SHDLC24-SMA	OS2	LC	24	Max ≤ 0.25 dB	≥ 60 dB	Cable Ties / Splice Sleeves
CTG-SHDSC06-SMA	OS2	SC	6	Max ≤ 0.25 dB	≥ 60 dB	Cable Ties / Splice Sleeves
CTG-SHDSC12-SMA	OS2	SC	12	Max ≤ 0.25 dB	≥ 60 dB	Cable Ties / Splice Sleeves

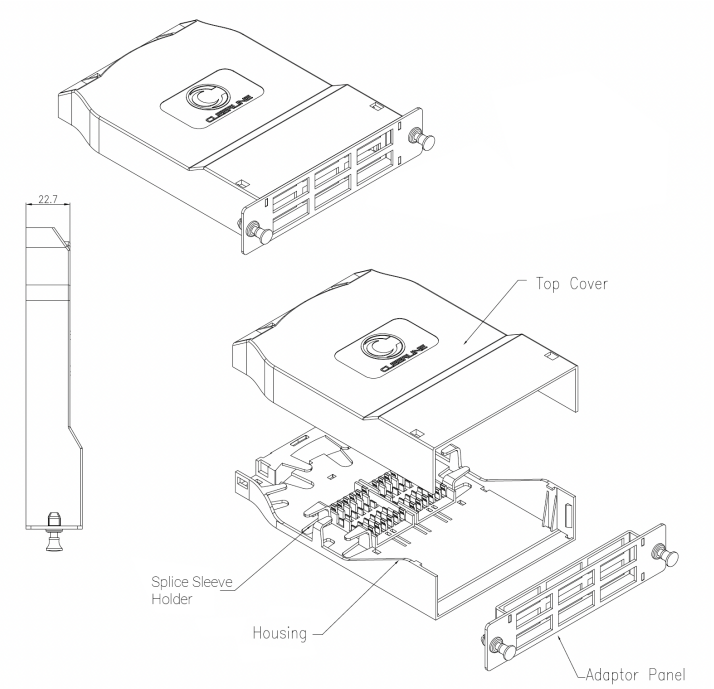
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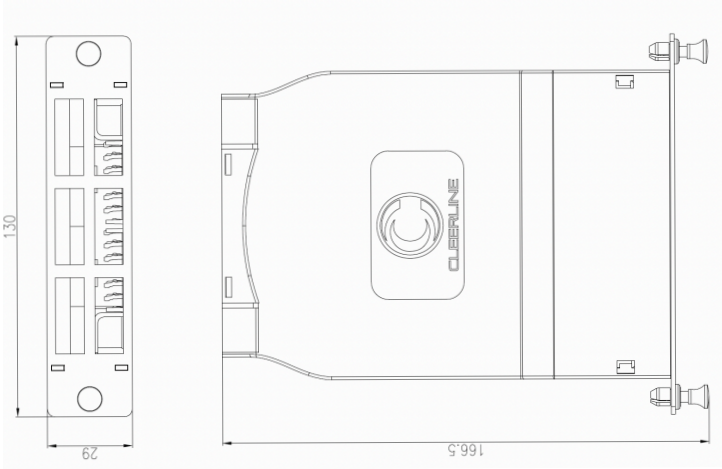
OPTICAL SPECIFICATIONS	
Insertion loss per pigtail	≤ 0.25 dB Max
Module Insertion Loss	≤ 0.3 dB
Module Return Loss MM UPC	≥ 26 dB min, Typ ≥ 30 dB
Module Return Loss SM UPC	≥ 50 dB
Module Return Loss (APC)	≥ 60 dB

TEMPERATURE RANGE	
Operating	-20 °C to 60 °C
Installation & Assembly	-5 °C to 50 °C
Storage Temperature	-25 °C to 70 °C

CASSETTE HARDWARE	
Fiber Ports	6, 12, or 24
Pigtails	6, 12, or 24
Adapter Type Front	LC or SC
Pigtail Type	900 µm, TIA Color-Coded
Included heat-shrink splice sleeves	12 (6 & 12 fiber models) or 24 (24 fiber models)
Adapter Color	According to Fiber Type
Removable splice holders	2
Cable management	Cable ties & velcro
Cable entry grommet	2

DIMENSIONS	
All Models	130 x 166.5 x 29 mm / 5.1 x 6.6 x 1.1 in





COMPLIANCE

- **RoHS 2 Compliant** – Directive 2011/65/EU
- **100% Insertion Loss Tested** – Per TIA-568.3-D
- **End-Face Inspected** – Verified to IEC 61300-3-35
- **Optical Fiber Standards** – SM Type meets or exceeds ITU-T G.657.A2, G.657.B2, and G.652.D; IEC 60793-2-50 Type B.1.3 and B.6.A&B; MM Type meets or exceeds TIA-492AAAD, IEC 60793-2-10 type A1a.3
- **COO** – China

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