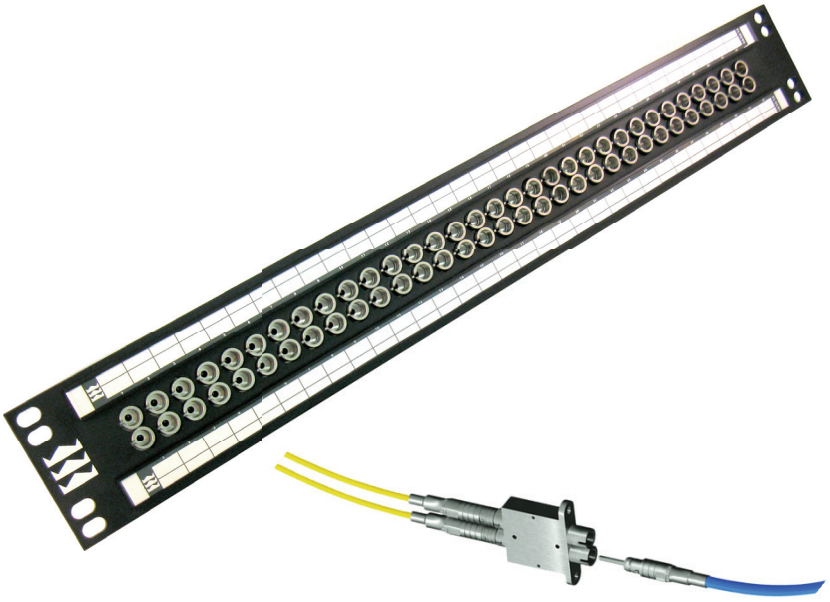
EL Series™

Optical Fiber Video Jacks

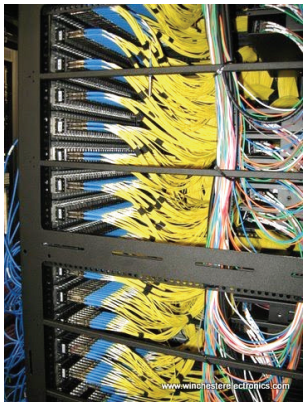


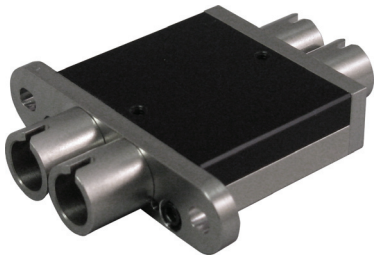
Product Description

The KINGS® EL Series™ Fiber Optic Video Jack is the heart of an innovative fiber optic patching system. This is the only optical fiber interconnect that offers expanded beam connectors front and rear. The EL (Expanded Light) connection eliminates cleaning and allows thousands of mating cycles. Full normal operation means that equipment side cables are secured and patching is done using expanded beam patch cables, without disturbing the rear connections. Straight through jacks are also available.

The small form factor allows easy integration into existing patch bays for a seamless copper and fiber installation. Special racks are not required for fiber optic interconnection.

The EL Series™ Video Jack system can be used as a "manual router." This can reduce optical to electrical conversion costs by up to 95%. Patching through a single optical to electrical converter can be done live without any concern for fiber cleanliness or operator handling issues.





- Equipment side cables stay connected during patching
- Provides high density fiber without cable management issues
- Removal tool available for reconfiguration

- No electrical connections
- No cleaning of fiber optic connectors
- Rated to thousands of cycles
- High optical return loss
- Insertion loss remains constant without cleaning

KINGS® by WINCHESTER ELECTRONICS

CONNECTING INNOVATION TO APPLICATION®

Part Numbering – Video Jacks

Description	Part Number
Optical Jack – Normal	776G-009-00701N
Jackfield 32 Position w/32 – Normal	7767-776-00005N
Jackfield 32 Position w/16 – Normal	7767-776-00006N
Jackfield 24 Position w/24 – Normal	7769-776-00003Z
Optical Jack – Non-Normal	7769-776-00002Z
Jackfield 32 Position w/32 – Non-Normal	7769-776-00001Z
Jackfield 32 Position w/8 – Non-Normal	7769-776-00004Z

Technical Specifications

Material

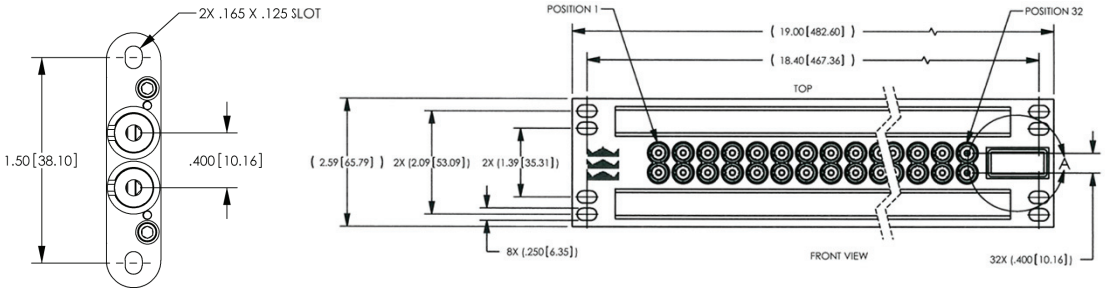
Body:	High Strength Stainless Steel

Mechanical

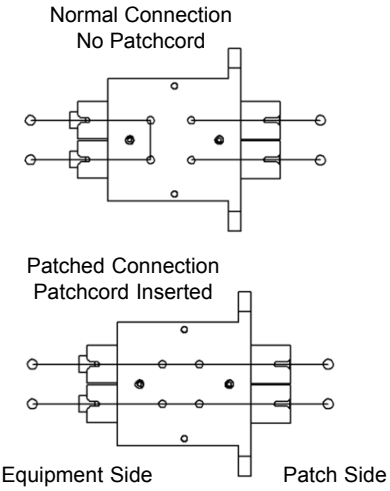
Patch Cord Mates:	5,000 Cycles Min.
Withdrawal Forces(Patch cord):	5 lbs. Min.
Pull Force (Rear Side):	20 lbs Min.

Optical

Insertion Loss Normal:	1.5 dB Typical
Insertion Loss Patched:	1.5 dB Typical
Return Loss:	55 dB Typical 45 dB Maximum

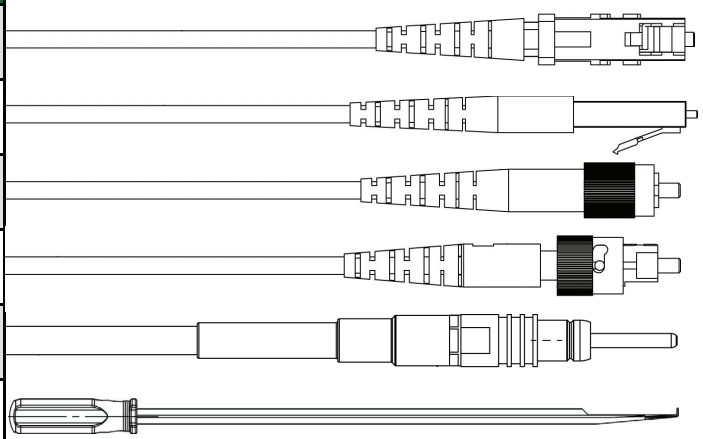


Optical Connection Diagram



Part Numbering – Patch Cords

Description	Part Number
DIN-SC Fiber Optic Cable Assembly (3M)	776L-700-118014
DIN-LC Fiber Optic Cable Assembly (3M)	776L-704-118014
DIN-FC SM Fiber Optic Cable Assembly (3M)	776L-710-118014
DIN-ST Fiber Optic Cable Assembly (3M)	776L-712-118014
Singlemode EL to EL Patch Cable w/5mm 9/125 Blue Cable (3M)	776L-776-118016
EL DIN™ Removal Tool	107–1505



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