



# Fiber Optic Tri-Loc<sup>®</sup>

Camera Connector



## Product Description

KINGS<sup>®</sup> Fiber Tri-Loc<sup>®</sup> connectors provide SMPTE 304 compatibility for easy mating to industry standard broadcast fiber camera systems. The rigorous qualification and intermateability testing program guarantees consistent and reliable results with all SMPTE compliant systems.

The connectors are supplied with all components including optical contacts and feature a large termination area. This allows for straightforward cabling using polish or splice method without the need for any extension tube.

The extra thick stainless steel shell is more rugged than competitive products and a single part number makes ordering simple.

The provided electrical contacts can be crimped with industry standard KTH-1000 crimp tool or soldered.

- Cable termination service is available through our value added distribution network or direct from the factories in the USA and China.
- Full support is provided for repairs, replacement, system configuration, or custom designs.

- A full line of panel mounted connectors is available; perfect for fiber optic cameras and breakout boxes.
- Combine these with KINGS<sup>®</sup> EL Series<sup>™</sup> fiber optic video jacks for the ultimate rugged video patching system.

# Technical Specifications

## Electrical

Auxiliary Electrical Contacts: Voltage: 600 Volts AC  
Current: 10A

Low-Voltage Contacts: Voltage: 42V AC or 60V DC  
Current: 1A

## Environmental

Temperature Rating: Operating: -20° C to +60° C  
Storage: -40° C to +75° C

Humidity: 0 to 95% RH (at +40° C)

Ingress Protection: IP68

## Optical

Wavelength: 1250 nm – 1625 nm

Insertion Loss: 0.5 dB Max, 0.3 dB Typical

Return Loss: > -45 dB, -50 dB Typical

## Standards

ARIB (BTA S-1005B), ANSI/SMPTE (304-2009 & 311-2009), and EBU (R100-1999) compatible.

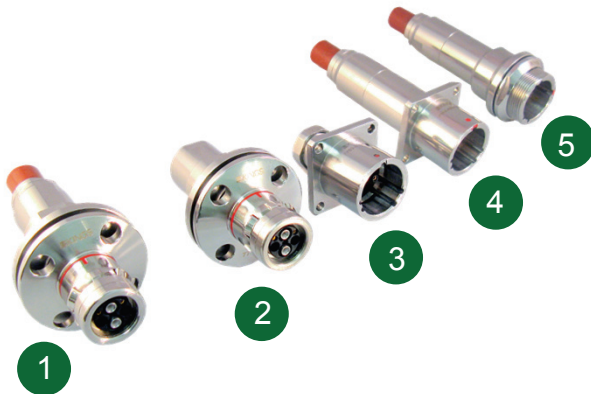
Tested against Lemo and Canare connectors

## Part Numbering – Cable Mount Connectors

Part Number	Configuration	Photo
Fiber Optic Tri-Loc® Plug with standard optical contacts	7765-3-3	1
Fiber Optic Tri-Loc® Jack with standard optical contacts	7763-3-3	2
Fiber Optic Tri-Loc® Plug w/ Pre-Polished Splice on Contacts	7765-4-3	1
Fiber Optic Tri-Loc® Jack w/ Pre-Polished Splice on Contacts	7763-4-3	2



## Part Numbering – Panel Mount Connectors



Part Number	Configuration	Photo
Tri-Loc® SMPTE Panel Mount Plug (With Cable Mount)	7765-400-F1102	1
Tri-Loc® SMPTE Panel Mount Plug	7765-400-F1101	2
Tri-Loc® SMPTE Panel Mount Jack	7763-400-F1101	3
Tri-Loc® SMPTE Panel Mount Jack (Square Flange)	7763-400-F1103	4
Tri-Loc® SMPTE Panel Mount Jack (DD Nut)	7763-400-F1102	5

All connectors include optical and electrical contacts



Winchester Electronics  
199 Park Road Extension, Suite 104  
Middlebury, Connecticut 06762  
203.741.5400 Phone  
203.741.5500 Fax  
www.winchesterelectronics.com