

Stran Technologies

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Phone: 203.729.2572 • **Fax:** 203.729.2689**E-Mail:** sales@strantech.com • **Web site:** www.strantech.com**TACLight Hermaphroditic Fiber Optic Connector****TACLight Hermaphroditic Fiber Optic Connector**

TACLight hermaphroditic fiber optic connectors offer rugged, reliable performance in harsh environments where high mating cycle is critical. Our connectors provide a robust connectivity solution resistant to corrosion, shock, as well as thermal shock environments, and the captured split alignment sleeves improve insertion loss performance. Field maintainable design allows for cable cleaning re-works, re-polishing, as well as re-terminating, and its flexibility allows the plug to function as both plug and receptacle. STRAN's hermaphroditic connectors are used in a variety of applications, including deployable military tactical systems, emergency restoration systems, ship to shore communications, outdoor fiber optic connectors, and deployable broadcast networks. Available in standard hermaphroditic or genderless configurations, including 4, 8, and 12 channels, these connectors are compatible with legacy products.

TACLight connectors are available with multiple plating options, including cadmium, black anodize matte, and passivated stainless Type 303. Both singlemode and multimode fibers are compatible in the same connector eliminating the need to replace any sub-components. The connectors are available with hermaphroditic or non-hermaphroditic dust caps, and assemblies are offered in custom reels.

SPECIFICATIONS

Optical Insertion Loss	62.5/125: 0.75 dBmax , 0.14 dBtyp 9/125: 0.75 dBmax , 0.35 dBtyp
Return Loss	>30 dB MMF, >40 dB SMF with PC polish
Mating Durability	1000 cycles per EIA-455-21
Vibration	Per MIL-STD-1344, Method 2005
Thermal Shock	-54°C to +85°C per EIA-455-3, Test Cond. 3
Temperature Life	Per EIA-RS-455-4
Corrosion Resistance	Per EIA-455-16
Humidity	Per EIA-455-5, Type 2
Fluid Immersion	Per EIA-455-12
Crush Resistance	225 lbs per EIA-455-26
Cable Retention	400 lbs per EIA-455-6
Cable Seal Flexing	Per MIL-STD-1344, Method 2017
Impact	Per EIA-455-2