

Fiber Optic Cable Solutions

Military & Commercial Aerospace



Winchester products, like Fiber Optic Cable Solutions, are now sold under the Win™ brand from Winchester Interconnect™

Product Description

Winchester Interconnect is your source for Fiber Optic Cable Assemblies for the Military and Aerospace market. From Aerospace to Shipboard to Tactical Communications applications, we can assist you in the design of complex military-grade cable assemblies; or submit your drawing and we can produce assemblies with a manufacturing and test process that assures top performance even in the harshest environments.

With a vast array of polishing fixtures, interferometer adapters, test equipment adapters, and over 100 years combined termination expertise, Winchester is ready to help you with your Fiber Optic requirements.

In addition to our Fiber Optic Cable Assembly expertise, Winchester offers its innovative EL Series™ Expanded Beam termini. Active alignment/protected lens technology provides significant advantages over traditional EB systems, including no-clean and excellent return loss – greater than 55 dB. Currently available for D38999 and compatible 29504-style connectors, ARINC404, MIL-DTL-5015, Standard SC connector housing, MOG and RMT connectors, Mac Panel Receiver/ITA, and others.

Military/Aerospace Approved Vendor

Winchester Interconnect is an approved vendor for major military contractors with capabilities to terminate hybrid copper/fiber assemblies, as well as ANY available on-the-market military fiber optic connectors.



 **Winchester**
Interconnect.

We Energize Innovation.

Aerospace

Cable Options Include: MIL-PRF-85045, LITEflight, GSC, FlightGuide Series

Connector Series	Connector Type	Termini/Ferrule	Application
ARINC 404	Hybrid Fiber-Copper	M29504/6, /7	Avionics Equipment
ARINC 600	Hybrid Fiber-Copper	M29504/6, /7, ELIO, ABS-1379, ARINC 801**	Avionics, In-Flight Entertainment (IFE), Onboard Communications/Displays, Sensors, RF over Fiber
ARINC 809***	Multi Channel	ARINC 801	Avionics, In-Flight Entertainment (IFE)
D38999	Hybrid Fiber-Copper	M29504/4, /5, ELIO, ABS-1379, ARINC 801**, WINCHESTER EL2	General Purpose Aerospace Applications
M83522	Simplex	M29504, ST	Electronic Warfare, Tactical Communications, Shipboard Electronics
MC5	Multi Channel	Deutsch 1.25MM	Avionics, In-Flight Entertainment (IFE), Onboard Communications/Displays, Sensors, RF over Fiber
MC6	Multi Channel	MT	Avionics, In-Flight Entertainment (IFE), Data Bus

Shipboard

Cable Options Include: MIL-PRF-85045, Shipboard LSZH, and Pierside

Connector Series	Connector Type	Termini/Ferrule	Application
PHD	Multi Channel	M29504/4, /6	Shipboard Electronics
D38999	Hybrid Fiber-Copper	M29504/4, /5, ELIO, ABS-1379, ARINC 801**, WINCHESTER EL2	General Purpose Naval Applications
M83522	Simplex	M29504, ST	Shipboard Electronics
M28876	Multi Channel	M29504/3, /14, /15	Shipboard Electronics
M64266	Multi Channel	M29504/18, /19, /20	Shipboard Electronics
Pierside	Hermaphroditic	M29504/14, /15	Ship-to-Shore Communications
EZ-Mate	Hermaphroditic	COTS M29504	Ship-to-Shore Communications

Tactical Communications

Cable Options Include: MIL-PRF-85045, A3159879E (US Army CECOM), and Mil Tac

Connector Series	Connector Type	Termini/Ferrule	Application
PHD	Multi Channel	M29504/4, /7	Tactical Communications
D38999	Hybrid Fiber-Copper	M29504/4, /5, ELIO, ABS-1379, ARINC 801**, WINCHESTER EL2	General Purpose Military Applications
M83522	Simplex	M29504, ST	Tactical Communications
Mighty Mouse	Hybrid Fiber-Copper	Series 80	Tactical Communications
M83526	Hermaphroditic	M29504/16, /17	Tactical Communications
TFOCA	Hermaphroditic	M29504/16, /17	Tactical Communications
TFOCA II	Hermaphroditic	MTFP, M29504/16, /17	Tactical Communications
HMA	Hermaphroditic	HMA	Tactical Communications
PRO/TAC BEAM	Expanded Beam	PRO BEAM	Tactical Communications

Test Assemblies

Connector Series	Connector Type	Termini/Ferrule	Application
M83522/ST	Simplex	M29504, ST, ARINC 801	Measurement Quality Jumpers (MQJ), NavSea Spec 6877804

*Also known as EPX, EN4644, BACC65, Galley Connector

**Also known as LuxCis, BACC64

***Also known as Deutsch DMC Amphenol SIM and EN4165

Bomar
Continental
SRC Haverhill
SRI Connector Gage
SRI Hermetics
Tekna Seal
Winchester



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