

# Fiber Optic Solutions

Military & Commercial Aerospace



Delphi™ fiber optic solutions are now a part of the Winchester Interconnect™ family.

## Product Description

Winchester Interconnect is your source for fiber optic connectors and cable assemblies within the military and aerospace markets. From aerospace 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.

Assemblies utilizing Delphi Fiber Optic connectors including M28876, M29504, M83522 and DFOCA Hermaphroditic are available with shorter lead-times for high running part numbers. Additionally, Winchester's innovative EL Expanded Beam termini are available in size 12 and size 16 form factors. These termini eliminate fiber optic cleaning by replacing physical contact termini in popular connector housings. The range of connectors include any connector housing designed for 29504/4 and 29504/5 (D38999 compatible), ARINC404, MIL-DTL-5015, MOG and RMT connectors, Mac Panel XBeam, SC, LC, and others.

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.

## 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 EL	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 EL	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/DFOCA	Hermaphroditic	M29504/16, /17	Tactical Communications
TFOCA III/DFOCA 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 LuxCis, BACC64

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



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Interconnect.

Delphi™ branded fiber optic products are now under the Winchester Interconnect brand.