

Wire and Harnessing

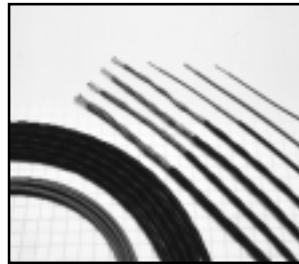
Product Facts

- Over 45 years of excellence in Aerospace/Defense Electrical Interconnection
- Supplying solutions for sealing, protecting, and insulating in demanding interconnection applications
- Offering a variety of low-cost, easy-to-install components for wiring harnesses and cable assemblies
- Cable Protection — World's largest range of heat-shrinkable tubings to provide exceptional insulation, mechanical protection, and strain relief.

SPEC 55 Wire (Airframe and Hook-up Wire and Cable)

- Single or dual wall radiation cross-linked ETFE insulation
- Small size, ultra-light weight
- -65°C to 200°C/600 volt operating range
- Resistant to electrical arc tracking in wet or dry conditions
- Exceptional chemical and hydrolysis resistance. Superb shop handling
- Qualified to MIL-W-22759/32-35 and /41 to /46 (wires) and NEMA-WC-27500 (cables)
- NASA approved

For more information contact your Raychem product representative, your regional technical support representative, or visit www.raychem.com



ElectroLoss Filterline Wire and Cable (Low-pass EMI Filter Cable)

- Suppresses EMI above 100 MHz
- Ideal for all ordinance and aerospace applications
- Superior reliability to filter pins
- Qualified to MIL-C-85485/5-8 ruggedized, /9-12 light-weight constructions

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Cheminax Cables (Controlled Electrical Cables)

- Light weight, small size alternatives to RG and MIL-C-17 constructions
- Offering improved capacitance and attenuation, high velocity of propagation
- Variety of shielding and jacketing choices for optimal solutions to EMI and environmentally demanding environments

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Raychem Technical Support

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MIL-STD-1553B Databus (Components and Harnesses)

- Complete interconnection system MIL-STD-1553B
- Full product line includes: couplers, cables, connectors, contacts and terminators
- Factory-assembled and tested harnesses
- Customized design flexibility with HarnWare

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SolderSleeve and Immersion-Resistant Crimp Splices

- Wire-to-wire, shield, coaxial cable termination
- One-piece design offers easy installation and lower installed cost
- Transparent sleeve provides encapsulation, inspectability, strain relief, and insulation
- Prefluxe solder preform provides a controlled soldering process
- Meets MIL-S-81824, MIL-S-83519, and NAS 1747

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Wire and Harnessing (Continued)

SolderTact Shielded Contacts

- Through-connector shielding reduces cross talk, improves signal transmission
- One-piece construction installs easily and lowers cost
- Solder joints are strong and reliable
- Terminations are fully inspectable
- Available for a variety of military connectors: MIL-C-26482, MIL-C-28748, MIL-C-38999, MIL-C-83723

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MTC (Low-Profile Rectangular) Connectors

- Designed for high packaging density
- Stackable for panel space and weight savings
- Environmental sealing for aerospace applications
- Modular components for design versatility and logistics savings
- Quick-disconnect mating hardware
- Full range of EMI backshells and accessories

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HexaShield (High Performance EMI) Backshells

- Mechanical and environmental protection equal to backshells complying with MIL-C-85049/3B
- Fits wide range of aerospace/defense connectors
- Simple installation
- Easy reentry simplifies maintenance and repairs
- Compact size offers weight reduction possibility

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Harnessing Products

- Heat-shrinkable tubing and molded shapes
- Adhesives
- Adapters
- Assemblies
- Components approved to widely recognized standards and specifications (SAE, MIL, Defense, DNV, Lloyds, ABS)

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HarnWare Harnessing Design Software

- Select optimum parts
- Generate wiring schematics and schedules
- Determine wire routes and lengths
- Determine most suitable wire gauge
- Determine best cable lays, diameter, and construction
- Generate parts lists and assembly time estimates

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