



Marmon Defense

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marmondefense.com



Wire & Cable Solutions for Mission-Critical Applications

M27500 Mil-Spec, Multi-Conductor Cables

- With temperature ratings from 150-200-260°C
- Constructed with M22759, M81044 components

M22759 Mil-Spec, High Performance Aerospace & Avionics Wire, 150-260°C

- Slants: /5 - /8, mineral filled PTFE, 200-260°C
- Slants: /9 - /12, extruded PTFE, 200-260°C
- Slants: /16 - /19, extruded ETFE, 150°C
- Slants: /32 - /35 & /41 - /46, extruded XLETPE, 150- 200°C
- Slants: /81-82, /86-87, /89-90, /91-92, composite PI/PTFE tape
- Slants: /180-192 smooth composite polyimide/PTFE & PTFE tape

M81044 Mil-Spec, High-Temp Wire Used in a Large Variety of Defense Applications

- XLPA/XLPVF2 insulated, dual layer
- Temperature rating to 150°C - Slants: /8 - /13

RF & Microwave Coaxial High-Temp Cables

- MIL-DTL-17 Coaxial Cable
- Military, Commercial & Aerospace applications (HF) LL, SB142, SS402, SS405 from 400MHz - 40GHz
- LL cable in solid, stranded conductor & spiral shield offered in a variety of sizes
- **FG2000**, extreme high-temp control, power, signal cable
- Ignition-Missile-Launch cable, rated for 538°C
- Dual wrapped mica moisture barrier with impregnated glass braid construction

FireZone M25038/3, Near Engine Very High Temperature Wire

- Fire resistant: 15 minutes at 2000°F, 600V, rated 260°C
- NEMA WC 27500 -JF - 06 cable is constructed with 22-12 AWG M25038/3 wires

M16878 Mil-Spec, NEMA HP

- HP-3: /4, /5, /6, 600,1000 & 250V, 200-260°C, extruded PTFE
- HP-4: /11, /12, /13, 600,1000 & 250V, 150-200°C, extruded FEP
- HP-5: /14, /15, /16, 600,1000 & 3000V, 125°C, XLPE & XLPO
- HP-8: /36, 600V, 105°C, XLPE

Space Cables

- Type 1A-1B, Type 2A, 3A & Type 2B, 3B & AD50 Low Fluorine wire rated from -100 up to 200°C
- 19050 / cables are lightweight space cables that utilize an insulation and jacket of cross-linked, modified ethylenetetrafluorethylene copolymer (ETFE). Cable meets the NASA SP-R-002 general specification vacuum stability requirement of polymeric material for spacecraft application.

Marmon Defense Ship Board Cable

- Above & below deck M24640-M24643 M-DTL-17 QPL, waterblocking, shielding, high-abrasion power and communication cables

Defense Link Products

- Supporting ruggedized connectivity applications
- CAT 5E, 6a, 7 & 8, USB2G, 2 & 3.1A & data bus, pressure or tube extrusion
- Fluoropolymer -65°C to 200°C, Cablethane® -55°C to +90°C
- Cableprene® -55°C to +90°C, modified XLPO -20°C to +80°C

SurpreFlex AD-961 (Power Cables)

- Extremely flexible, polysiloxane jacket, bend radius is 3x outer diameter, 12 AWG - 450mcm
- 1000, 2000, & 3500V, optional shielding available, and a variety of colors

Custom Cable Design is our Specialty

- Offering 100+ conductor counts, power & data composites
- Hybrid multi-core cables - EMI shielded cables
- In-house engineering design team
- Fine AWG wire extrusion
- Large variety of insulation material choices

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