

HIGH PERFORMANCE WIRE AND
CABLE FOR DEMANDING
APPLICATIONS

Line Card

ALL M27500 Cables are
Manufactured to the Latest Revision
NEMA WC27500

MIL-SPEC WIRE:

M22759/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 22, 23,
M22759/80, 81, 82, 89, 90, 91, 92, 93, 94
M16878/4, 5 & 6 Type E, EE and ET M
M5086/2 MILITARY POWER CABLE

MIL-SPEC CABLE:

M27500, M55021 and M27027

UL AND CSA APPLIANCE WIRING MATERIAL (AWM)

200C to 450C FEP, TFE, PFA, TGGT and MGT

HIGH TEMPERATURE THERMOCOUPLE CABLES

M5846 and M5908

CUSTOM CABLES FOR INDUSTRIAL APPLICATIONS

- Rugged, multi-conductor shielded and jacketed cables
- Tin, Silver and nickel-plated copper and copper alloy conductors.
- Thermoplastic PE, PVC, urethane and fluoropolymer insulations and jackets. Custom colors and printing.
- For use in medical instrumentation, industrial sensors, audio systems and more.

CablesCodeConductor

M27500	VA	M22759/5
	WA	M22759/6
	SA	M22759/7
	TA	M22759/8
	LE	M22759/9
	LH	M22759/10
	RC	M22759/11
	RE	M22759/12

M27500	TM	M22759/22
	TN	M22759/22

M27500	EA	M22759/1
	E	M22759/2
	RA	M22759/3
	RB	M22759/4

M27500	WB	M22759/80
	WC	M22759/81
	WE	M22759/82
	WM	M22759/89
	WN	M22759/90
	WP	M22759/91
	WR	M22759/92

M27500	B	M50686/2
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TEMPROTEX® Product Line overview:

Advanced Insulating, Intumescent, and Fire Suppression Coating for Combustible Surfaces

Provides high-performance, durable risk reduction and asset protection solutions across a range of combustible surfaces. This versatile coating offers superior heat insulation, acts as an ignition barrier, and features state-of-the-art fire extinguishing technologies to enhance safety and minimize fire-related risks. Ideal for a variety of applications requiring robust fire protection and thermal management.



Product Line Features:

- Extinguishes liquid fire on contact.
- Specially formulated for fiberglass, carbon fiber, Kevlar, Nomex, HDPE, PE, and many other combustible surfaces.
- Utilizes Smart Coatings® technology for liquid and vapor fire blocking properties.
- Offers revolutionary fire protection in extreme conditions.
- Intumescent technology reacts during flare-ups for extended protection times.
- Exceptional fire extinguishing performance on liquid fires
- Excellent exterior performance and water resistance.
- Simple application by brush, roll, or airless spray.
- Fast-drying for same-day applications.
- Low VOC and water based.

TEMPROTEX® Product Family:

TEMPROTEX® is available in several formulas and product forms, all based on the same patented technology. Slight modifications to its composition allow for peak performance across a wide range of applications.

- **AFES-F5E:** Fire extinguishing, intumescent, insulative Coating.
 - F5E Insulative Fire Extinguishing Barrier Coating is a proprietary, non-flammable, intumescent coating that expands up to 2,000 percent upon exposure to heat. This flexible, ductile, and elastomeric coating is suitable for both interior and exterior use. It is non-toxic, drain-safe, and produces no harmful fumes.
 - F5E is SFI 54.1 approved for extinguishing fires and protecting composite parts, and it holds an E84 Class A certification, mandated by NASCAR.
- **AFES-F1ER:** Insulating, Intumescent, Fire-Extinguishing Barrier Coating.
 - F1ER is a high-performance, water-based, fast-drying coating that is easy to spray. This versatile product provides heat insulation, vibration resistance, ductility, waterproofing, and nonflammability. It significantly enhances the fire retardancy of foams and other flammable materials, reduces core temperatures, and offers excellent fire and smoke protection for roll cage foam, padding, blankets, flex hoses, woven ballistic panels, grommets, and poly or silicone-based components. As a fire-extinguishing, intumescent, and insulative coating, F1ER delivers comprehensive protection across various applications.
 - Mandated by NHRA and IHRA.
- **FOAM-F1ES:** FireFoam® Fire Extinguishing Foam.
 - FireFoam consists of prefabricated foam mesh panels designed for fire and methanol resistance. They feature an integrated fire-extinguishing saturant and are SFI 54.1 tested, making them ideal for packing gaps, catching oil, fuel, and hydraulic fluids. FireFoam is easy to install, providing peace of mind by effectively trapping hazardous fuels and liquids, thereby preventing fire-related mishaps.

TEMPROTEX® Approvals & Certifications:

- SFI 54.1 Approved fire extinguishing coating.
- Thermal Flame Barrier – SFI approved.
- Vapor Fire Performance – SFI approved.
- ABYC 33.20.6 / Fuel Tank Fire Test – ISO 21487.
- ASTM weathering performance compliance (various).



Firestable™ FS 2.0

Building Code/Masking/Blast Management Composite Foam

Advanced Spray Polyurethane Foam:

Firestable™ FS 2.0: An advanced closed-cell polyurethane foam system that offers a comprehensive insulation solution with multiple protective features in a single application. This two-component, self-adhering, seamless spray-applied foam creates a continuous thermal barrier and provides effective air and moisture vapor barriers. It delivers efficient R-value and structural stability, meeting industry-standard SPF performance and code compliance requirements. Suitable for Type I, II, III, IV, and V construction, Firestable™ FS 2.0 is a versatile solution for both interior and exterior applications, functioning as a thermal barrier at a thickness of 2½ inches or more.



Product Features:

- **Zero Risk Window:** FS 2.0 is code compliant immediately upon application, ensuring Life Safety for skilled trades people.
- **Monolithic Fire Protection:** FS 2.0 is fire compliant throughout its complete volume, ensuring fire safety from inside-out and outside-in.
- **Enhanced Protection:** Firestable™ FS 2.0 meets stringent IBC 2603.4 standards, acting as a thermal barrier at just 2.5 inches. It effectively stops fire from spreading to flammable materials, making it ideal for infrastructure projects.
- **Structural Stability:** This foam improves the safety and durability of buildings and facilities, contributing to overall structural integrity.
- **Energy Efficiency:** By reducing energy costs and enhancing efficiency, Firestable™ FS 2.0 is particularly effective in large spaces.
- **Code Compliance:** The product is specially approved via IBC 2603.9 for any thickness, ensuring compliance with building codes and regulations.
- **Water and Air Barrier:** Firestable™ FS 2.0 provides superior protection against moisture and helps maintain a controlled environment by serving as a reliable water and air barrier.
- **Low Dusting:** The foam minimizes cleanup and reduces airborne particles, promoting cleaner and safer work environments.
- **Green Build Product:** Environmentally friendly, Firestable™ FS 2.0 contains repurposed and recycled content, supporting sustainable building practices.
- **Long Lifespan:** With a durability of over 50 years, this foam ensures long-term cost savings and reliable protection.
- **Specifications:** Each kit covers 5000 board feet and features the lowest HSN numbers, highlighting its efficiency and eco-friendly attributes.

