



NFPA 79 Compliant Cables

Tyco Electronics/Madison Cable now offers a family of products that complies with the NFPA 79 standard as issued in 2007. The NFPA 79 standard was developed by the National Fire Protection Association as part of the National Electric Code and is the electrical wiring standard for industrial machinery. Applications include: machine tools, injection molding machines, woodworking equipment, assembling machinery, material handling machinery, and inspection and testing machines. NFPA 79 covers all electrical and electronic elements of the machinery operating at 600 volts or less and is “intended to minimize the potential hazard of electrical shock and electrical fire hazards of industrial metal working machine tools, wood working machinery, plastics machinery and mass produced equipment, not portable by hand.”¹

The standard references specific conductor types as having the “flame-retardant properties and temperature limits and characteristics”¹ allowed to be listed as meeting the NFPA 79 requirements.

These products are, among others:

MTW	THWN	RHW-2
THHN	RHH	XHHW
THW	RHW	XHHW-2

In addition, the use of Type AWM single conductor or multi-conductor products are not allowed under the NFPA 79 standard, unless they are part of a listed assembly suitable for the intended application or if the cable has multiple listings and recognitions such as TC.

Tyco Electronics/Madison Cable has a broad range of products that comply with the NFPA 79 standard. This family of products consists of power and control cables such as UL listed cables rated as MTW, TC, and TC-ER. In addition, listed specialty cables such as Type PLTC, PLTC-ER, CM, CL2, and UL Type 62 Flexible Cords are also acceptable for limited applications. These cables, in addition to compliance with the NFPA 79 standard, have been fully tested and found to be resistive to many of the harsh environment chemicals found in today’s industrial facilities and offer the flexibility and durability needed to survive the toughest industrial environments.

Available in various constructions and conductor sizes, the Tyco Electronics/Madison Cable product family meets the most demanding applications and surpasses the NFPA 79 standard requirements.



¹ NFPA 79, 2007

Tyco Electronics
Madison Cable
125 Goddard Memorial Drive
Worcester, MA 01603
Tel: 508-752-2884
Toll Free: (877) MADISON