



Tough, Rugged Cable for Machine Tools

Alpha Wire offers a wide range of MTW-rated wire and cable with robust, flexible construction for use in machine tools and similar applications. Abrasion-resistant PVC insulation provides tough protection against nicks and cuts that could expose conductors and present hazards. By combining the quality and performance of Alpha Wire products with a sturdy construction, our MTW-rated products help to increase the reliability and safety of machine tools in demanding environments.

- Meets UL Standard 1063 and NFPA 79 mechanical and electrical requirements
- UL Listed and CSA Certified
- Tough, abrasion-resistant PVC insulation or PVC/nylon insulation
- Stranded conductors for better flexibility
- Operation to 90°C (194°F) in dry locations and to 60°C (140°F) in locations exposed to moisture, oil, or coolants
- Flame retardant to VW-1 or better
- Oil resistant to Oil Res. I
- Variety of wire and cable types available to meet wide range of application needs



Alpha Wire

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More Choice in MTW-Rated Wire and Cable

Alpha Wire offers a broad range of wire and cable to meet MTW requirements, including products in these popular families.

Xtra-Guard® HP (Xtra-Guard 1) MTW-Rated Cable



Xtra-Guard HP cables are ideal for carrying critical signals in a factory environment. With premium jacket and insulation materials, they are designed for easier routing and stripping. Shielding choices include unshielded, shielded with foil/polyester for moderate EMI needs, and shielded with our exclusive Supra-Shield® foil/braid combination for exceptional EMI protection. Available in 22 to 14 AWG (0.35 to 2.08 mm²) and conductor counts from 2 to 25.

Xtra-Guard Flex Motor Supply Cable



The symmetrical design of Alpha Wire motor supply cable means a smaller diameter and easier routing of connectors to servomotors, AC drives, and variable-frequency drives. Four conductors, in gauges from 16 to 6 AWG (1.32 mm² to 13.49 mm²) are shielded by a combination of foil and braid for exceptional EMI protection. Conductors are finely stranded bare copper for flexibility.

Series M Flexible Control Cable



For stationary/cable tray and for light to moderate flexing applications, Series M cables now include MTW listing and offer excellent resistance to oil, chemicals, and sunlight. Cables come in 18 - 8 AWG (0.96 - 8.52 mm²) with up to 65 conductors. Cables are available with black, blue, or red cable insulation to match use in AC or DC circuits.

MTW-Rated Hook-Up Wire



Get more choice with Alpha Wire MTW-rated hook-up wire: gauges from 22 - 10 AWG (0.35 to 5.32 mm²) in an array of insulation colors. Our hook-up wire offers uniform wire-handling characteristics for strippability, precise dimensions, stranding uniformity, and permanency of colors and markings.

Cable	Conductor Gauge	No. of Conductors*
Xtra-Guard HP (Xtra-Guard 1)	22 - 14 AWG (0.35 - 2.08 mm ²)	2 - 25
Xtra-Guard Flex Motor Supply	16 - 6 AWG (1.32 - 13.49 mm ²)	4
Series M Flexible Control	18 - 8 AWG (0.96 - 8.52 mm ²)	3 - 65
Hook-Up Wire	22 - 10 AWG (0.35 - 5.32 mm ²)	1

*Other gauge sizes and conductor counts available on custom order. Contact Alpha today.

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