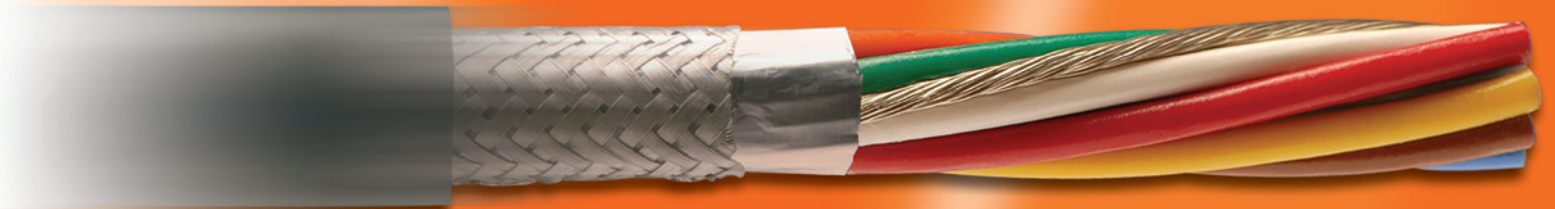


Pro-Tekt™ European Cable System



High-Performance Cables for Demanding Applications

Every cable application is important, and durable, long-lasting equipment requires rugged reliability. Downtime is costly, and your reputation can't afford failure caused by cable that doesn't live up to the demands of the application. Built on our more than 80 years' experience and reputation for quality and reliability, Pro-Tekt cables are up to the challenging demands of your specific application.



Pro-Tekt Cable The Tough, Durable Choice



Offering rugged, reliable performance in demanding applications, Pro-Tekt cables feature a unique, premium-grade PVC insulation and jacket that makes routing of the cable easier in small, tight spaces.

Materials:

- Tough, oil-resistant PVC jacket
- Rated to 105°C

Applications:

- Industrial process controls
- Point-of-sale equipment
- Computer peripherals
- Medical electronics
- High-technology controlled environment

Pro-Tekt Plus Cable Exceptional Abrasion Resistance



Ideal for industrial applications where abrasion and mechanical abuse is common, Pro-Tekt Plus cable provides heavy-duty performance. It features a specially formulated polyurethane jacket offering three times the tear and abrasion resistance of PVC to provide excellent resistance to cut-through and physical damage.

Materials:

- Abrasion- and tear-resistant jacket
- Oil/chemical resistant
- UV resistant
- Rated to 90°C

Applications:

- CNC machines
- Packaging machinery
- Military ground support systems
- Geophysical exploration equipment
- Automotive assembly
- Petrochemical plant operations



Pro-Tekt Flex Cable Up to 6 Million Flex Cycles



Our long-lasting Pro-Tekt Flex cables provide excellent performance in C-track and continuous high-flex, high-torsion applications such as motion control and Cartesian and multi-axis robotic systems. The cable's rounded geometry makes installation easy and helps insure a liquid-tight installation per IP67 or NEMA 6.

Materials:

- Up to 6 million flex cycles
- UV resistant
- Oil resistant
- Rated to 105°C



Applications:

- Machine tools
- Assembly equipment
- Motor supplies
- Control panels
- Conveyor systems
- Automation networking
- Transfer shuttles
- Sensor/actuator-to-controller connections

Characteristic		Pro-Tekt	Pro-Tekt Plus	Pro-Tekt Flex
Wire Range	Metric	0.09 - 1.32 mm ²	0.23 - 1.32 mm ²	0.09 - 0.35 mm ²
	AWG	28 - 16	24 - 16	28 - 22
Conductors	Multiconductor	2 - 80	2 - 50	2 - 25
	Pairs	1 - 77	1 - 27	1 - 14
Materials	Conductor	Tinned copper	Tinned copper	Tinned copper
	Insulation	PVC or SR-PVC	PVC or SR-PVC	SR-PVC
	Jacket	PVC	Polyurethane	PVC
Shielding	Unshielded	•	—	—
	Foil	•	•	—
	Braid	•	—	—
	Foil + Braid	•	—	•
	Foil + Spiral	—	—	•
Temperature Range	Static	-30°C to +105°C	-30°C to +90°C	-10°C to +105°C
	Dynamic	—	—	+5°C to +105°C
Voltage Rating		300	300	300
Approvals	CE LVD 73/23/EEC Amend. 93/68/EEC	•	•	•
	EN 60332-1	•	•	•
	EN 60332-2	•	•	•
	UL 2464	•	—	—
	UL 2661	—	—	•
	UL 20668	—	•	—
	UL CM	•	—	—
	UL VW-1	•	•	—
	Sunlight Resistant	•	•	•
	RoHS	•	•	•
REACH	•	•	•	
Packaging		50, 100, 500, 1000 m	50, 100, 500, 1000 m	50, 100, 500, 1000 m

The cables you trust. The service you deserve.

Every application is critical and cable failure is not an option when the safety of equipment and personnel is paramount. Specify Alpha cable for rugged, reliable performance, since the integrity of your system is only as robust as the products you use.

Custom cable is standard

Alpha Wire goes one step further: manufacturing custom cables to meet unique applications – offering specific conductor counts, shielding options, jacket materials, and versatile product designs. Our custom cable orders are often shipped in less than a week, once again giving you products with more convenience and less delay.

Service and support, second-to-none

Selecting the correct cable for your critical application is essential to overall system reliability, performance, and safety. So we make it easy for you to select the right Alpha cable for your specific application. Our online resources include a wire and cable selection guide, technical information, full product catalog, and a distributor locator to make it easy to select and get the cable you need. Can't find what you're looking for? Design the cable to your specification. It's easy, just visit www.alphawire.com!

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