

**FIT[®] Wire
Management**



Better wire management means better harnesses



Bringing order to wire harnesses and cable routing means a system that is more reliable, easier to fabricate, and simpler to maintain. Let Alpha Wire help you solve wire management problems. Need additional protection from abrasion? Our woven sleeves are tough and flexible. For additional



resistance to chemicals, oils, and solvents, our flexible tubing offers exceptional performance and

operates at temperatures as high as 260°C. Our braided shields are effective and easy to use for additional EMI protection or a ground connection.

Neatness counts

As a leader in premium products, Alpha Wire knows wire and cable. And we know the challenges you face in creating harnesses, routing, and combating noise. Our FIT wire management products are designed to tame the most unruly applications.

Harnessing

Make any wire harness organized, manageable, and neat with our tubing, sleeving, spiral wrap tubing, zipper tubing, and lacing cord. Our unique ZIP-GRIP expandable hook and loop sleeving fastens firmly shut with finger pressure and allows easy re-entry and unlimited wire and cable break outs.

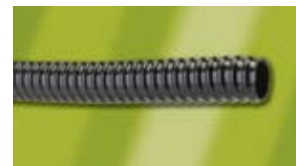
Shielding

Add shielding easily and quickly. We offer flat, round, and oval braided shielding for additional protection against EMI and

for grounding protection. Our copper foil shielding tape is backed with a highly conductive, pressure-sensitive adhesive for use in a wide variety of EMI/RFI shielding applications in cable and connector assemblies.

Routing

Get the advantages of conduit in a flexible non-metallic, liquid-tight tubing and



connection system that protects wire, copper

cable, and fiber-optic cable in factories, offices, or underground installations. Use our watertight tubing to replace rigid raceways where flexibility, re-entry, or re-usability are required. Additionally, Alpha offers split looms to provide a convenient solution for your routing needs.



Style	Type	Features	Inside Diameter	
			Inches	mm
Rigid and flexible tubing	PVC	Resists heat, oil, and abrasion	0.022 - 2.500	0.55 - 63.50
	PTFE	To 260°C Excellent chemical resistance	0.012 - 0.330	0.30 - 8.38
	PVC zipper tubing	Loc-Trac® zipper fastener withstands moderate flexing Resists heat flame, chemicals, and abrasion	0.500 - 3.000	12.70 - 76.20
	Spiral wrap	Variety of materials Use for bundling and breakouts	—	—
	Watertight PVC tubing and fittings	Vibration resistant Resists water, oil, corrosion, and UV light Flexible for easy routing	0.385 - 2.020	9.78 - 51.30
Lacing	Lacing cord and tape	High tensile strength Good chemical resistance Excellent knot retention and abrasion resistance	Thickness: 0.012 - 0.014	0.30 - 0.35
	Fiberglass	Extreme temperature range to 648°C Resists abrasion	0.034 - 1.000	0.86 - 25.40
	PVC-coated fiberglass	Resists heat, oil, and abrasion Resists fraying, bending, and knotting	0.034 - 1.000	0.86 - 25.40
Woven sleeving	Silicone-coated fiberglass	Highly flexible routing Extreme abrasion resistance Superior electrical properties Low temperature flexibility to -70°C Heat protection to 200°C	0.024 - 0.625	0.61 - 15.88
	Polyester	Expandable Resists abrasion and cut-throughs	0.093 - 1.500	2.36 - 38.10
EMI shielding/grounding	Copper braid	Flat, round, or oval configurations Tinned copper or silver-plated copper	0.031 - 1.5 Flat braid: 0.025 - 3.0 width	0.79 - 38.10 0.63 - 76.20
	Copper tape	Highly conductive adhesive backing	0.5 - 2.0 width	12.7 - 50.8

The cables you trust. The service you deserve.

Every application is critical and cable failure is not an option when the safety of your equipment and personnel is paramount. Specify Alpha Wire FIT wire management for extreme environments



and crucial applications; since the integrity of your system is only as robust as the products you use.

Superior availability

Alpha offers FIT wire management products from stock in most sizes and constructions, in small quantities, so you can order it when you need it. Our products are available for same-day shipment, eliminating long lead times.

Service and support, second-to-none

Selecting the correct wire management products is essential to overall system reliability, performance, and safety. So we make it easy for

you to select the right Alpha product 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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AlphaWire

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