



## Series 72 Annular Convoluted Tubing Conduit, Braided Shield, and Jacketing options

### **Guardian system conduit tubing, braided shielding, and jacketing options**

The Guardian System is Glenair's complete solution for your wire routing application. System design begins with your selection of core material, either Kynar, PVDF, or Siltem. Core materials may be outfitted with braided shielding and jacketing options per the type designators listed below to address specific mechanical, electrical (EMI), and environmental protection requirements. See the following pages for detailed how-to-order information.

#### **Part Number 120-144**



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#### **For non-environmental and non-EMI/RFI applications**

Strong, abrasion resistant annular conduit tubing, supplied in thermally stabilized Kynar®, PVDF, or medium duty Siltem. Available in 7 colors, standard or slit.

#### **Part Number 121-190**



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#### **For non-environmental EMI/RFI applications**

Annular conduit tubing with braided shield for EMI/RFI protection and additional structural integrity, particularly pull (tensile) strength.

#### **Part Number 121-191**



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#### **For environmental EMI/RFI applications**

Annular conduit tubing with braided shielding for EMI/RFI protection and a ruggedized jacket for environmental protection against dust, dirt, and moisture incursion.

#### **Part Number 121-192**



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#### **For non-environmental EMI/RFI applications with high dB shielding requirements**

Annular conduit tubing with double braided shield for high frequency EMI/RFI protection and mechanical strength.

#### **Part Number 121-193**



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#### **For environmental EMI/RFI applications with high dB shielding requirements**


Annular conduit tubing with double braided shield and jacket for optimum EMI/RFI protection, strength and environmental sealing.

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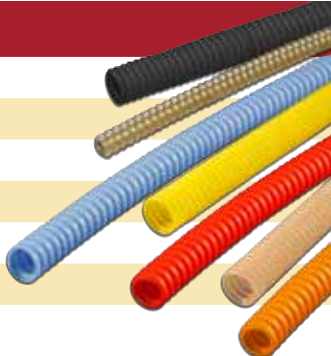
### Tubing Material Choices

Y	Kynar®	Flexible, thermally stabilized, resistant to harsh chemicals and radiation. UV resistant, self-extinguishing, nontoxic and resistant to low-temperatures. 166° C temp. rating.
V	PVDF	Flexible and chemical/radiation resistant. Available in 4 colors plus standard black and natural. 150° C temperature rating.
S	G-FLEX Siltem	Medium duty Halogen free, low toxicity, low smoke. 175° C temperature rating.




### Color Options

	Standard Black	Standard for all Series 72 convoluted tubing materials
N	Natural/Clear	Available for for all Series 72 convoluted tubing materials
R	Red	Available for Kynar and PVDF only
Y	Yellow	Available for Kynar and PVDF only
BL	Blue	Available for Kynar and PVDF only
TN	Desert Tan	Available for Kynar and PVDF only
O	Orange	Available for Kynar and PVDF only



### Braided Shield Options

T	Tin/Copper	150° temperature rating, 125 lbs. tensile strength, 96 hr. salt spray corrosion resistance
C	Stainless Steel	Highest tensile strength (225 lbs.), highest temperature—up to 260°
N	Nickel/Copper	200° temperature rated, 150 lbs. tensile strength, 500 hrs. salt spray corrosion resistance
L	ArmorLite™	Microfilament metal-clad ultra lightweight stainless steel braid
D	Dacron	Yarn with excellent abrasion resistance, good chemical resistance, non-conductive
M	Nomex	-55° to 260° temperature range - will not melt, excellent chemical resistance, non-conductive
E	AmberStrand® 100%	Expandable, flexible, high-strength conductive metal-clad composite thermoplastic
F	AmberStrand® 75%/25%	75% Expandable, flexible, high-strength conductive metal-clad composite thermoplastic combined with 25% nickel-plated 36AWG copper wire for additional strength



### Jacketing Options

N	Neoprene	Tough, durable polychloroprene for mechanical and environmental protection
H	Hypalon®	Light weight with broad temperature range
E	EPDM	Better resistance to Ketones
V	Viton	Heaviest material with best resistance to oil and gasoline
B	Duraelectric, Black	Weatherproof, halogen free, flame resistant, functional to 260°
G	Duraelectric, Gray	Qualified to US Navy MIL-PRF-24758A, Fed Std 595B #26270 Haze Gray color
TN	Duraelectric, Desert Tan	Duraelectric in Fed Std #3446 Desert Tan color