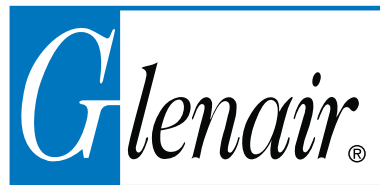


Series 74
High-Performance Helical Polymer-Core
Convuluted Tubing Systems
Braided Shield and Jacket Options and Material Properties



EMI/RFI Braided Shielding and Non-Metallic (Fabric) Overbraids

| | | |
|---|----------------------|---|
| T | Tin/Copper | 150°C temperature rating, 125 lbs. tensile strength, 96 hr. salt spray corrosion resistance |
| C | Stainless Steel | Highest tensile strength (225 lbs.), highest temperature—1093°C+ |
| N | Nickel/Copper | 200°C temperature rated, 150 lbs. tensile strength, 500 hrs. salt spray corrosion resistance |
| S | SnCuFe | Tin plated iron/copper |
| 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°C to 260°C 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°C |
| 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 |
| O | Duraelectric, Orange | OSHA Safety Orange to mark energized electrical cables |

Jacketing Material Properties and Chemical Resistance

| Material Property | EPDM (Ethylene Propylene Diene Monomer) | Hypalon (Chlorosulfonated Polyethylene) | Neoprene (Polychloroprene) | Viton (Fluoroelastomer) | Duraelectric |
|----------------------------|--|--|--------------------------------------|--------------------------------------|--------------------------------------|
| Temperature Range | -60°F to +300°F (-51°C to +149°C) | -60°F to +300°F (-51°C to +149°C) | -60°F to +250°F (-51°C to +121°C) | -40°F to +392°F (-40°C to +200°C) | -94°F to +392°F (-70°C to +200°C) |
| Specific Gravity | 1.26 | 1.18 | 1.25 | 1.80 | 1.22 |
| Weight: Lbs./Cubic Inch | .045 | .043 | .045 | .055 | .045 |
| Abrasion Resistance | Excellent | Excellent | Excellent | Excellent | Good |
| Wear Resistance | Good | Good | Good | Good | Good |
| Flame Resistance | Good | Good | Good | Good | Excellent |
| Sunlight Resistance | Good | Excellent | Excellent | Excellent | Excellent |
| Chemical Resistance | | | | | |
| Aliphatic Hydrocarbons | Good | Good | Good | Excellent | Excellent |
| Aromatic Hydrocarbons | Good | Fair | Fair | Excellent | Excellent |
| Ketones, Etc. | Good | Poor | Poor | Poor | Excellent |
| Oil & Gasoline | Good | Good | Good | Excellent | Excellent |