Outstanding durability and insulation performance



Rugged high-temperature, environmental Duralectric™ jacketing is available in a broad range of and colors inculding safety orange

Duralectric[™] is the high-performance jacketing material perfectly suited for immersion, chemical or caustic fluid exposure, temperature extremes, UV radiation and more

Glenair *Duralectric*™ weatherproof jacketing is halogen free, flame resistant, and functional to 260°C. Duralectric™ far surpasses the accelerated solar weathering standards under IEC 60068-2-5, and is tested to 56 accelerated days, equivalent to 53 years of solar exposure. Glenair can supply the material in a variety of formats, including blown jacketing, as an extrusion over wire and cable, as an overmolding compound and as a self-vulcanizing repair

tap c.						
Jacketing Options						
0	Black	Black Weatherproof, halogen free, flame resistant, functional to 260°C				
1	Desert Tan	Fed Std #33446 Desert Tan color				
2	Red	Pantone® 1797 U				
3	Orange	OSHA Safety Orange to mark energized electrical cables				
4	Yellow	Pantone® Yellow U				
5	Green	Pantone® 355 U				
6	Blue Pantone® 3005 U					
7	Violet	Fed Std 595; #37100				
8	Gray Qualified to US Navy MIL-PRF-24758A, Fed Std 595B #26270 Haze Gray colo					
9	White	Fed Std 595; #37875				

Glenair Duralectric™ Material Specifications					
Temperature rating: -60°C to +260°C (with excursions to 290°C)					
Halogen free per IEC 60614-1. Less than 5mg of hcl per 1 gm of product tested.					
Accelerated Weathering (Solar) per IEC 60068-2-5; 56 days exposure					
Flame Resistant per IEC 60614-1; Material does not sustain combustion when the source of flame is removed.					
Low Smoke Index per NES 711 (11.75); Minimum standard is 25. The Glenair tested level is 11.75. This makes the material acceptable for interior applications as well as topside.					
Smoke Density Class F1 Per NF F 16-101 IAW DIN EN 6	60695-2-11:2001				
Toxicity Index per NES 713 (1.9); Minimum standard is 5. The Glenair tested level is 1.9.					
This makes the material acceptable for interior applications as well as topside.					
Colorable to Fed Std 595B					
Markable IAW MIL-PRF-24758A					
Oxygen Limiting Index = 45.1 Per EN ISO 4589-2:1999; Minimum is 28.					
ASTME E 595 vacuum outgassing–post bake results: TML .06%, CVCM .006%, WVR .02%					
Fungus resistance testing (rating of 0) per MIL-STD-810F, method 508.5					
ASTM D624 DIE B tear test: 150 KN/M					
12 Sec Vertical Burn: (Pass) Per 14CFR Part 25.853(a) amdt 25-116 App F Part 1 (a)(1)(ii)					
Fluids Per MIL STD 810F, Method 504	Cleaner (MIL-C-85570): CALLA-855				
Fuel (MIL-T-83133): JPG	Solvent (Isopropyl Alcohol): TT-I-735				

De Icer (AMS-1432): E36 Runway Deicer

Fire Extinguishant Foam: AMEREX AFFF

Coolant (MIL-C-87252): Coolanol 25R

Jacketing Material Properties				
Material Property	Duralectric™			
Temperature Range	-60°C to +260°C			
Specific Gravity	1.22			
Weight: Lbs./Cubic Inch	.045			
Abrasion Resistance	Good			
Wear Resistance	Good			
Flame Resistance	Excellent			
Sunlight Resistance	Excellent			

Chemical Resistance			
Aliphatic Hydrocarbons	Excellent		
Aromatic Hydrocarbons	Excellent		
Ketones, Etc.	Excellent		
Oil & Gasoline	Excellent		

HIGH-PERFORMANCE

Cable and conduit jacketing

Neoprene • Hypalon® • EPDM • Viton

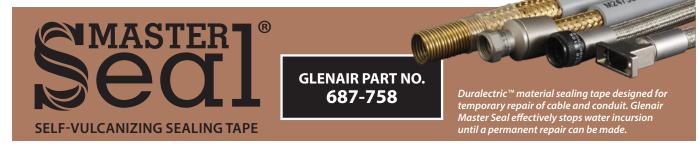


- Extruded, blown-on and heat shrink jacketing for harsh application environments
- General purpose polyurethane
- Chemically-resistant Viton®
- Industry standard neoprene
- Selected materials CBRN tested

Cable and conduit jacketing materials purpose-designed for every application requirement: Immersion, chemical or caustic fluid exposure, temperature extremes, UV radiation and more

Jacketing Options						
N Neoprene Tough, durable polychloroprene for mechanical and environmental protection						
Н	Hypalon®	Light weight with broad temperature range				
E	EPDM	Better resistance to Ketones				
V Viton® Heaviest material with best resistance to oil and gasoline						

Jacketing Material Properties and Chemical Resistance						
Material Property	EPDM (Ethylene Propylene Diene Monomer)	Hypalon (Chlorosulfonated Polyethylene)	Neoprene (Polychloroprene)	Viton® (Fluoroelastomer)		
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)		
Specific Gravity	1.26	1.18	1.25	1.80		
Weight: Lbs./Cubic Inch	.045	.043	.045	.055		
Abrasion Resistance	Excellent	Excellent	Excellent	Excellent		
Wear Resistance	Good	Good	Good	Good		
Flame Resistance	Good	Good	Good	Good		
Sunlight Resistance	Good	Excellent	Excellent	Excellent		
Chemical Resistance						
Aliphatic Hydrocarbons	Good	Good	Good	Excellent		
Aromatic Hydrocarbons	Good	Fair	Fair	Excellent		
Ketones, Etc.	Good	Poor	Poor	Poor		
Oil & Gasoline	Good	Good	Good	Excellent		



Fuel (MIL-T-83133): JPG

Hydraulic Fluid (MIL H 5606): ROYCO 756

Lube Oil (MIL-L-23699): ROYCO-500