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NResearch Inc.

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LEAD WIRE & COIL SPECIFICATIONS

Background

All valves by NR would normally be supplied with at least 18 inches of Teflon insulated lead wires.

The extruded Teflon insulation is fused concentricity around the conductor of soft or annealed copper, silver or nickel plated, stranded or solid, depending on gage size.

The Teflon wire is rated to 180 degrees C (CLASS H) while the coil bobin wire is wound to withstand up to 130 degrees C (CLASS B). The specifications that the lead wire (TYPE E, 600 Volts RMS) conforms to are as follows:

UL-1213; MIL-W-16878; MPD-1506, 1507, 3218; NAS-703; MIL-W-22759

Lead Wire Specifications					Resistance	Coil Spec's	
Coil Part #	Voltage DC	Gage	Length Inches	Color Coding	Nominal (+ or - 5%)	Gage	Turns
161S030	6	26	18.0	White	26.5	34.5	800
161S031	12	26	18.0	Yellow	127.0	38.0	1750
161S032	24	26	18.0	Blue	500.0	40.0	3700
161S034	9	26	18.0	White/Yellow	60.0	36.0	1275
161S035	15	26	18.0	Yellow/Blue	288.0	39.0	2730
161X220	12	26	36.0	Yellow	127.0	38.0	1750
161X237	12	26	2.5	Yellow	127.0	38.0	1750
161X238	12	26	18.0	White/Yellow/Green	127.0	38.0	1750
225S030	6	26	18.0	White	23.0	32.0	820
225S031	12	26	18.0	Yellow	90.0	35.0	1630
225S032	24	26	18.0	Blue	345.0	38.0	3200
225S033	115	26	18.0	Red	5200.0	44.0	12200
225X211	12	24	36.0	Yellow	90.0	35.0	1630
225X222	24	24	10.0	PVC Blue	345.0	38.0	3200
225X223	15	26	18.0	Yellow/Blue	137.0	36.0	1900
225X224	24	26	18.0	PVC ZIP Black	345.0	38.0	3200
225X234	12	26	40.0	Yellow	90.0	35.0	1630
225X235	24	26	36.0	Blue	345.0	38.0	3200
225X236	9	26	18.0	Yellow/White	53.0	34.0	1180
225X237	18	26	18.0	Yellow/Green	160	36.5	2100
360S031	12	22	18.0	Yellow	34.0	32.0	1060
360S032	24	22	18.0	Blue	140.0	35.0	2150
360S033	115	22	18.0	Red (Old Spec.)	2650.0	42.0	8400
360S033	115	22	18.0	Red	1925.0	41.0	7350
360S034	9	22	18.0	Yellow/White	16.0	30.5	660
360S035	15	22	18.0	Yellow/Blue	80.0	34.0	1535
648S031	12	22	18.0	Yellow	20.0	29.0	1000
648S032	24	22	18.0	Blue	78.0	32.0	2000
648S033	115	22	18.0	Red	1919.0	39.0	9550
648S035	15	22	18.0	Yellow/Blue	28.0	30.0	1225
648X223	100	22	18.0	Orange/Red	970.0	37.5	7100
648X224	24	22	36.0	Blue	78.0	32.0	2000