



Reference Data

A

Table 3: Standard Wire Specifications

Wire Code	Specification	Insulation	Conductor	Operating Temp.	Voltage Rating	AWG	Strands	Max. Conductor Diameter (Inches)	DC Resistance Ohms/1000 Ft.	Max. Finished Wire Dia.
E	NEMA HP3-EXB	Extruded PTFE	Silver-coated copper	-65° to +200°C	600 volts RMS	#24	7/32	.025	24.5	.048
						#26	7/34	.020	39.7	.043
						#28	7/36	.016	63.6	.039
						#30	7/38	.013	100	.036
J	M22759/33	Extruded cross-linked modified ETFE	Silver-coated high-strength copper alloy	-65° to +200°C	600 volts RMS	#24	19/36	.025	28.4	.037
						#26	19/38	.020	44.8	.034
						#28	7/36	.016	74.4	.029
						#30	7/38	.012	117.4	.026
K	M22759/11	Extruded PTFE	Silver-coated copper	-65° to +200°C	600 volts RMS	#24	19/36	.025	24.3	.045
						#26	19/38	.020	38.4	.040
						#28	7/36	.015	63.8	.035

Table 4: Stocked Wire Sizes and Colors

Wire Code	Color Code	Wire Insulation Color	#24 AWG	#26 AWG	#28AWG	#30 AWG
E	1	White	✓	✓	✓	✓
	2	Yellow	✓	✓	✓	✓
	5	White with MIL-STD-681 color stripes	⚠	⚠	not available	not available
	7	10 Color Repeat	✓	✓	✓	✓
J	1	White	✓	✓	✓	✓
	2	Yellow	✓	✓	✓	✓
	5	White with MIL-STD-681 color stripes	⚠	⚠	not available	not available
	7	10 Color Repeat	✓	✓	✓	✓
K	1	White	✓	✓	✓	not available
	2	Yellow	✓	✓	✓	not available
	5	White with MIL-STD-681 color stripes	⚠	⚠	not available	not available
	7	10 Color Repeat	✓	✓	✓	not available

✓ = Stocked wire.

⚠ = Stocked wire through 51 colors only. Connectors with more than 51 contacts are not available with striped wire. 10 color repeating is the recommended alternate.