

Product Data — 600 Volt

		Reference Standard	Insulation	Jacket
Temperature Rating (°C)		UL 1277	90	75
Mechanical Properties	Original Elongation (% minimum)	UL 1277 and 66	250	250
	Original Tensile Strength Air Oven Aging (psi minimum)	UL 1277, 66 and 1581	2800	2500
	Aged Elongation (% retention minimum)	UL 1277, 66 and 1581	70	70
	Aged Tensile Strength (% retention minimum)	UL 1277, 66 and 1581	>100	>100
Limiting Oxygen Index		ASTM D 2863	28	27
Cold Bend (no cracks)		UL 1277 and 66	@ -25°C	@ -25°C
Deformation		UL 1277 and 66	pass	pass
Insulation Resistance Constant (minimum at 15.6°C)		UL 1277 and 66	4000	N/A

Copper Conductor Data

Size AWG	Stranding	Diameter		Size AWG	Stranding	Diameter	
		inches	mm			inches	mm
22	Solid	0.0253	0.645	22	7 × 0.0096"	0.0288	0.762
20	Solid	0.0320	0.813	20	7 × 0.0121"	0.0363	0.914
19	Solid	0.0359	0.912	19	7 × 0.0142"	0.0426	1.092
18	Solid	0.0403	1.024	18	7 × 0.0152"	0.0456	1.158
16	Solid	0.0508	1.290	16	7 × 0.0192"	0.0576	1.463
14	Solid	0.0641	1.626	14	7 × 0.0242"	0.0726	1.844
12	Solid	0.0808	2.052	12	7 × 0.0305"	0.0915	2.324