

## Electrical Properties

### 300 V – Unshielded Pairs/Triads with an Overall Cable Shield

Conductor Size (AWG)	DC Resistance (ohms/kft @ 20°C)	Capacitance			
		Pairs		Triads	
		Conductor–Conductor (pf/ft)	Conductor–Shield (pf/ft)	Conductor–Conductor (pf/ft)	Conductor–Shield (pf/ft)
20	10.50	48	95	51	102
18	6.64	49	98	52	104
16	4.18	53	107	56	112

### 300 V – Shielded Pairs/Triads with an Overall Cable Shield

Conductor Size (AWG)	DC Resistance (ohms/kft @ 20°C)	Capacitance			
		Pairs		Triads	
		Conductor–Conductor (pf/ft)	Conductor–Shield (pf/ft)	Conductor–Conductor (pf/ft)	Conductor–Shield (pf/ft)
20	10.50	58	115	61	122
18	6.64	61	122	64	125
16	4.18	72	143	76	147

### 600 V – Unshielded Pairs/Triads with an Overall Cable Shield

Conductor Size (AWG)	DC Resistance (ohms/kft @ 20°C)	Capacitance			
		Pairs		Triads	
		Conductor–Conductor (pf/ft)	Conductor–Shield (pf/ft)	Conductor–Conductor (pf/ft)	Conductor–Shield (pf/ft)
18	6.64	39	79	42	103
16	4.18	47	94	50	100
14	2.57	53	106	56	112

### 600 V – Shielded Pairs/Triads with an Overall Cable Shield

Conductor Size (AWG)	DC Resistance (ohms/kft @ 20°C)	Capacitance			
		Pairs		Triads	
		Conductor–Conductor (pf/ft)	Conductor–Shield (pf/ft)	Conductor–Conductor (pf/ft)	Conductor–Shield (pf/ft)
18	6.64	74	148	78	156
16	4.18	86	172	90	180