



















Soil Type vs	Resistivity	
■IEEE Std. 142- ²	1991	
-Grounding of Ind	Average Resistivity	5/8" x 10' Driven Rod
Well graded gravel, gravel-sand	60,000 100,000	180 300
Loose gravel, gravel-sand	100,000 250,000	300 750
Clayey gravel, sand-clay	20,000 40,000	60 120
Silty sands, sand-silts mixtures	10,000 50,000	30 150
Clayey sands, sand-clay mixtures	5,000 20,000	15 60
	3,000 8,000	9 24
Silty or clayey fine sands w/plasticity	8 000 30 000	24 90
Silty or clayey fine sands w/plasticity Fine sandy or silty soils, elastic silts	0,000 30,000	
Silty or clayey fine sands w/plasticity Fine sandy or silty soils, elastic silts Gravelly clays, sandy clays, silty clays, lean clays	2,500 6,000 (moisture related)	17 18 (moisture related)





oil R	esistivity	vs Tempe	rature
EEE S	Std. 142-199	1 (Green Bo	ok)
-		(- /
ſ	Temperature	Temperature	Resistivity
[Temperature (centigrade)	Temperature (Fahrenheit)	Resistivity Ohms/cm
[Temperature (centigrade) -5	Temperature (Fahrenheit) 23	Resistivity Ohms/cm ^{70,000}
	Temperature (centigrade) -5 0	Temperature (Fahrenheit) 23 32	Resistivity Ohms/cm 70,000 30,000
	Temperature (centigrade) -5 0 0	Temperature (Fahrenheit) 23 32 32 32	Resistivity Ohms/cm 70,000 30,000 10,000
	Temperature (centigrade) -5 0 0 10	Temperature (Fahrenheit) 23 32 32 32 50	Resistivity Ohms/cm 70,000 30,000 10,000 8,000
	Temperature (centigrade) -5 0 0 10 20	Temperature (Fahrenheit) 23 32 32 32 50 68	Resistivity Ohms/cm 70,000 30,000 10,000 8,000 7,000
	Temperature (centigrade) -5 0 0 10 20 30	Temperature (Fahrenheit) 23 32 32 50 68 86	Resistivity Ohms/cm 70,000 30,000 10,000 8,000 7,000 6,000
	Temperature (centigrade) -5 0 0 10 20 30 40	Temperature (Fahrenheit) 23 32 32 50 68 86 104	Resistivity Ohms/cm 70,000 30,000 10,000 8,000 7,000 6,000 5,000

















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