

**CASVOLT™ 200**

**UT**

**-65°C to +200°C**

**3KV, 6KV, 10KV, 20KV, 30KV, 40KV, 50KV**



**Construction**

**Type:** electrical wire  
**Core:** bare, tin-plated, nickel-plated or silver-plated copper  
**Insulation:** silicone rubber

**Production**

**Range width:** AWG 22 to 12  
**Options:** Please consult us for any special requirements

**Application**

**General use:** ignition circuit and creation of an electric arc for gas or oil burners for boilers and professional appliances  
**Household appliances:** ignition circuit and creation of an electric arc for piezo-electric components in household electrical appliances

**General characteristics**

**Weather conditions:** excellent resistance to UV  
**Chemical behaviors:** excellent resistance to aggressive chemical environments  
**Humidity:** excellent resistance to humidity  
**Mechanical behaviors:** excellent mechanical strength

**Thermal characteristics**

**Operating temperature:** -65°C to +200°C  
**Short-time withstand temperature:** 220°C

**Electrical characteristics**

**Operating Voltage:** 5KV, 15KV, 20KV, 35KV, 45KV, 60KV  
**Test voltage:** according to the operating voltage

Voltage	CASMO Part No.	Wire gauge	Conductor structure			Wall thickness		Final O.D.	
		(AWG)	# Strands	Diam. Of Strands(mm)		(in)	(mm)	(in)	(mm)
				(in)	(mm)				
5kV	6300301	22	7	0.010	0.254	0.02	0.51	0.07	1.78
15kV	6300302	20	19	0.008	0.20	0.04	1.02	0.12	3.05
	6300303	22	7	0.010	0.254	0.04	1.02	0.11	2.79
20kV	6300304	16	41	0.008	0.20	0.0525	1.33	0.164	4.17
	6300305	20	19	0.008	0.20	0.055	1.40	0.15	3.81
	6300306	22	7	0.010	0.254	0.05	1.27	0.13	3.30
35kV	6300307	16	41	0.008	0.20	0.105	2.67	0.269	6.83
45kV	6300308	16	19	0.011	0.28	0.125	3.18	0.306	7.77
60kV	6300309	12	19	0.018	0.46	0.1775	4.51	0.445	11.30
	6300310	14	19	0.015	0.37	0.176	4.47	0.425	10.80
	6300311	16	19	0.012	0.30	0.162	4.11	0.384	9.75