

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