

# CASVOLT™ 200 UL/cUL

**Style 3239**

**-60°C to +150°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 24 to 14

**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:** -60°C to +150°C

**Short-time withstand temperature:** 220°C

## Electrical characteristics

**Operating Voltage:** 3KV, 6KV, 10KV, 20KV, 30KV, 40KV, 50KV

**Test voltage:** according to the operating voltage

## Approvals – Standards

**“Horizontal flame”:** as per UL approval

**UL approval:** as per standard UL 758

## 3kV

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)				
3kV	6310101	26	7	0.006	0.16	0.022	0.55	0.062	1.58
	6310102	24	7	0.008	0.20	0.022	0.55	0.067	1.71
	6310103	22	19	0.006	0.15	0.022	0.55	0.073	1.86
	6310104	20	19	0.007	0.18	0.022	0.55	0.079	2.00
	6310105	18	19	0.009	0.23	0.022	0.55	0.089	2.25
	6310106	16	19	0.012	0.30	0.022	0.55	0.102	2.60
	6310107	14	19	0.015	0.37	0.022	0.55	0.118	3.00

### COPYRIGHT

This document is protected under copyright law and is the property of Casmo Cable. Data contained herein is confidential to Casmo Cable and this document and/or any part of the data contained herein may not be copied, duplicated, or released for the manufacturing or sale of equipment outside of Casmo Cable or any affiliates without the prior written authorization of Casmo Cable

### CAUTION

The information included in this catalog is intended as a guideline only. For applications that require tight tolerances, please contact Casmo Cable for dimensional verification. Information herein is believed to be accurate as of the publication date; however, if an error exists it is unintentional and Casmo Cable is not responsible for any claim traceable to such error.



# CASVOLT™ 200 UL/cUL

Style 3239

-60°C to +150°C

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



## 6kV

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)				
6kV	6310108	26	7	0.008	0.20	0.033	0.85	0.086	2.18
	6310109	24	19	0.006	0.15	0.033	0.85	0.091	2.31
	6310110	22	19	0.007	0.18	0.033	0.85	0.097	2.46
	6310111	20	19	0.009	0.23	0.033	0.85	0.102	2.60
	6310112	18	19	0.010	0.26	0.033	0.85	0.112	2.85
	6310113	16	19	0.012	0.30	0.033	0.85	0.126	3.20
	6310114	14	19	0.015	0.37	0.033	0.85	0.142	3.60

## 10kV

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)				
10kV	6310115	26	7	0.008	0.20	0.039	1	0.098	2.48
	6310116	24	19	0.006	0.15	0.039	1	0.103	2.61
	6310117	22	19	0.007	0.18	0.039	1	0.109	2.76
	6310118	20	19	0.009	0.23	0.039	1	0.114	2.90
	6310119	18	19	0.010	0.26	0.039	1	0.124	3.15
	6310120	16	19	0.012	0.30	0.039	1	0.138	3.50
	6310121	14	19	0.015	0.37	0.039	1	0.154	3.90

**COPYRIGHT**

This document is protected under copyright law and is the property of Casmo Cable. Data contained herein is confidential to Casmo Cable and this document and/or any part of the data contained herein may not be copied, duplicated, or released for the manufacturing or sale of equipment outside of Casmo Cable or any affiliates without the prior written authorization of Casmo Cable.

**CAUTION**

The information included in this catalog is intended as a guideline only. For applications that require tight tolerances, please contact Casmo Cable for dimensional verification. Information herein is believed to be accurate as of the publication date; however, if an error exists it is unintentional and Casmo Cable is not responsible for any claim traceable to such error.



# CASVOLT™ 200 UL/cUL

Style 3239

-60°C to +150°C

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



## 20kV

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)				
20kV	6310122	24	7	0.008	0.20	0.051	1.3	0.121	3.08
	6310123	22	19	0.006	0.15	0.051	1.3	0.126	3.21
	6310124	20	19	0.007	0.18	0.051	1.3	0.132	3.36
	6310125	18	19	0.009	0.23	0.051	1.3	0.138	3.50
	6310126	17	19	0.010	0.26	0.051	1.3	0.148	3.75
	6310127	16	19	0.012	0.30	0.051	1.3	0.161	4.10
	6310128	14	19	0.015	0.37	0.051	1.3	0.177	4.50

## 30kV

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)				
30kV	6310129	26	7	0.008	0.20	0.079	2.0	0.176	4.48
	6310130	24	19	0.006	0.15	0.079	2.0	0.181	4.61
	6310131	22	19	0.007	0.18	0.079	2.0	0.187	4.76
	6310132	20	19	0.009	0.23	0.079	2.0	0.193	4.90
	6310133	18	19	0.010	0.26	0.079	2.0	0.203	5.15
	6310134	16	19	0.012	0.30	0.079	2.0	0.217	5.50
	6310135	14	19	0.015	0.37	0.079	2.0	0.232	5.90

**COPYRIGHT**

This document is protected under copyright law and is the property of Casmo Cable. Data contained herein is confidential to Casmo Cable and this document and/or any part of the data contained herein may not be copied, duplicated, or released for the manufacturing or sale of equipment outside of Casmo Cable or any affiliates without the prior written authorization of Casmo Cable.

**CAUTION**

The information included in this catalog is intended as a guideline only. For applications that require tight tolerances, please contact Casmo Cable for dimensional verification. Information herein is believed to be accurate as of the publication date; however, if an error exists it is unintentional and Casmo Cable is not responsible for any claim traceable to such error.



# CASVOLT™ 200 UL/cUL

## Style 3239

-60°C to +150°C

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



### 40kV

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)				
40kV	6310136	26	7	0.008	0.20	0.091	2.3	0.200	5.08
	6310137	24	19	0.006	0.15	0.091	2.3	0.205	5.21
	6310138	22	19	0.007	0.18	0.091	2.3	0.211	5.36
	6310139	20	19	0.009	0.23	0.091	2.3	0.217	5.50
	6310140	18	19	0.010	0.26	0.091	2.3	0.226	5.75
	6310141	16	19	0.012	0.30	0.091	2.3	0.240	6.10
	6310142	14	19	0.015	0.37	0.091	2.3	0.256	6.50

### 50kV

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)				
50kV	6310143	26	7	0.008	0.20	0.102	2.6	0.224	5.68
	6310144	24	19	0.006	0.15	0.102	2.6	0.229	5.81
	6310145	22	19	0.007	0.18	0.102	2.6	0.235	5.96
	6310146	20	19	0.009	0.23	0.102	2.6	0.240	6.10
	6310147	18	19	0.010	0.26	0.102	2.6	0.250	6.35
	6310148	16	19	0.012	0.30	0.102	2.6	0.264	6.70
	6310149	14	19	0.015	0.37	0.102	2.6	0.280	7.10

**COPYRIGHT**

This document is protected under copyright law and is the property of Casmo Cable. Data contained herein is confidential to Casmo Cable and this document and/or any part of the data contained herein may not be copied, duplicated, or released for the manufacturing or sale of equipment outside of Casmo Cable or any affiliates without the prior written authorization of Casmo Cable.

**CAUTION**

The information included in this catalog is intended as a guideline only. For applications that require tight tolerances, please contact Casmo Cable for dimensional verification. Information herein is believed to be accurate as of the publication date; however, if an error exists it is unintentional and Casmo Cable is not responsible for any claim traceable to such error.

