



BRIM HIGH VOLTAGE CABLES: CHV™ -- RULAN -- SILICONE

BRIM CHV™ CORONA RESISTANT HIGH VOLTAGE TEFLON* CABLE

BRIM CHV™ eliminates the need for bulky, thick insulation, as used with Silicone Rubber high voltage cables, and provides high temperature resistance not available with Polyethylene or Rubber insulated high voltage cables, plus the added benefit of retarding and deterring corona discharges. Even under severe stress including mechanical strain, moisture, corona, chemical, or high temperature conditions, there is no cracking of the insulation. Cable construction meets & exceeds MIL-W-16878D.



OPERATING VOLTAGE: Voltage capabilities are based on the thickness of the jacket.

OPERATING TEMPERATURE: -90°C to +250°C

DESCRIPTION: Silver-plated copper conductor, per QQ-W-343, special corona retarding insulation, TFE tape wrap insulation, & a color-coded jacket overall.

STD. COLORS: Red, White, Black, Green, Blue, Yellow, Orange, Brown, Purple, Gray.
Stripped colors are also available to order.

STD. P-U: 250', 500', 1000'. RoHS compliant+.

* DuPont

Brim No.	AWG	Strand.	Voltage DC	Rating AC	Nom. O.D.	Brim No.	AWG	Strand.	Voltage DC	Rating AC	Nom. O.D.
CHV26-2	26	7/34	10000	2500	.074"	CHV18-3.5	18	19/30	17500	5400	.133"
CHV26-2.5	26	7/34	12500	3800	.084"	CHV18-4	18	19/30	20000	6000	.143"
CHV26-3	26	7/34	15000	4500	.094"	CHV18-5	18	19/30	25000	7500	.163"
CHV26-3.5	26	7/34	17500	5400	.104"	CHV18-6.5	18	19/30	32500	10000	.193"
CHV26-4	26	7/34	20000	6000	.114"	CHV18-8	18	19/30	40000	12000	.223"
CHV26-5	26	7/34	25000	7500	.134"	CHV18-10	18	19/30	50000	15000	.263"
CHV26-6.5	26	7/34	32500	10000	.164"	CHV16-2	16	19/29	10000	2500	.112"
CHV26-8	26	7/34	40000	12000	.194"	CHV16-2.5	16	19/29	12500	3800	.122"
CHV24-2	24	19/36	10000	2500	.080"	CHV16-3	16	19/29	15000	4500	.132"
CHV24-2.5	24	19/36	12500	3800	.090"	CHV16-3.5	16	19/29	17500	5400	.142"
CHV24-3	24	19/36	15000	4500	.100"	CHV16-4	16	19/29	20000	6000	.152"
CHV24-3.5	24	19/36	17500	5400	.110"	CHV16-5	16	19/29	25000	7500	.172"
CHV24-4	24	19/36	20000	6000	.120"	CHV16-6.5	16	19/29	32500	10000	.202"
CHV24-5	24	19/36	25000	7500	.140"	CHV16-8	16	19/29	40000	12000	.232"
CHV24-6.5	24	19/36	32500	10000	.170"	CHV16-10	16	19/29	50000	15000	.272"
CHV24-8	24	19/36	40000	12000	.200"	CHV14-2	14	19/27	10000	2500	.127"
CHV24-10	24	19/36	50000	15000	.240"	CHV14-2.5	14	19/27	12500	3800	.137"
CHV22-2	22	19/34	10000	2500	.086"	CHV14-3	14	19/27	15000	4500	.147"
CHV22-2.5	22	19/34	12500	3800	.096"	CHV14-3.5	14	19/27	17500	5400	.157"

CHV22-3	22	19/34	15000	4500	.106"	CHV14-4	14	19/27	20000	6000	.167"
CHV22-3.5	22	19/34	17500	5400	.116"	CHV14-5	14	19/27	25000	7500	.187"
CHV22-4	22	19/34	20000	6000	.126"	CHV14-6.5	14	19/27	32500	10000	.217"
CHV22-5	22	19/34	25000	7500	.146"	CHV14-8	14	19/27	40000	12000	.247"
CHV22-6.5	22	19/34	32500	10000	.176"	CHV14-10	14	19/27	50000	15000	.287"
CHV22-8	22	19/34	40000	12000	.206"	CHV12-2	12	19/25	10000	2500	.147"
CHV22-10	22	19/34	50000	15000	.246"	CHV12-2.5	12	19/25	12500	3800	.157"
CHV20-2	20	19/32	10000	2500	.094"	CHV12-3	12	19/25	15000	4500	.167"
CHV20-2.5	20	19/32	12500	3800	.104"	CHV12-3.5	12	19/25	17500	5400	.177"
CHV20-3	20	19/32	15000	4500	.114"	CHV12-4	12	19/25	20000	6000	.187"
CHV20-3.5	20	19/32	17500	5400	.124"	CHV12-5	12	19/25	25000	7500	.207"
CHV20-4	20	19/32	20000	6000	.134"	CHV12-6.5	12	19/25	32500	10000	.237"
CHV20-5	20	19/32	25000	7500	.154"	CHV12-8	12	19/25	40000	12000	.267"
CHV20-6.5	20	19/32	32500	10000	.184"	CHV12-10	12	19/25	50000	15000	.307"
CHV20-8	20	19/32	40000	12000	.214"	CHV10-2	10	37/26	10000	2500	.169"
CHV20-10	20	19/32	50000	15000	.254"	CHV10-2.5	10	37/26	12500	3800	.179"
CHV18-2	18	19/30	10000	2500	.103"	CHV10-3	10	37/26	15000	4500	.189"
CHV18-2.5	18	19/30	12500	3800	.113"	CHV10-3.5	10	37/26	17500	5400	.199"
CHV18-3	18	19/30	15000	4500	.123"	CHV10-4	10	37/26	20000	6000	.209"

LARGER GAUGE CONSTRUCTIONS ARE AVAILABLE TO ORDER.
+Except for Red, Orange, Yellow.

RULAN INSULATED HI-VOLTAGE CABLES: SHIELDED & UNSHIELDED

DESCRIPTION: Stranded tinned copper conductor, insulated with Rulan--a flame retarding Polyethylene, with or without an overall braided tinned copper shield. Flame retardent hi-voltage cable, used as a hi-voltage lead-in wire for electronic equipment to reduce RF radiation. Suitable for up to 105°C if under it's breakdown voltage rating. Std.Color: White. STD. P-U: 100',1000'

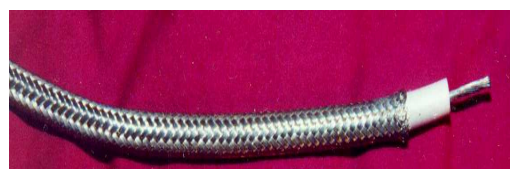
UNSHIELDED

Brim No.	AWG	Strand.	Nom. Wall	AC*	DC*	Nom. O.D.
1821	22	7/30	.045"	5000	10000	.120"
1822	20	10/30	.045"	5000	10000	.125"
1823	20	10/30	.070"	10000	20000	.175"
1824	18	16/30	.045"	5000	10000	.137"
1825	18	16/30	.070"	10000	20000	.187"
1826	18	16/30	.095"	16000	40000	.237"
1827	18	16/30	.125"	26000	60000	.297"
1828	16	26/30	.125"	26000	60000	.309"



SHIELDED

Brim No.	AWG	Strand.	Nom. Wall	AC*	DC*	Nom. O.D.
1865/20	20	10/30	.095"	16000	40000	.250"

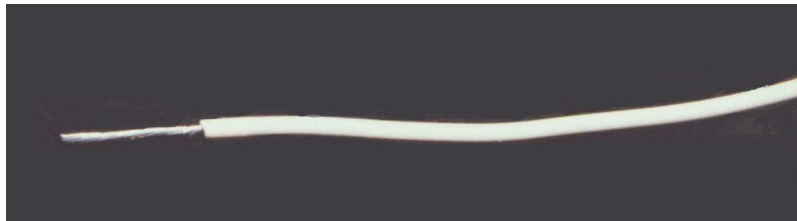


1865/18	18	16/30	.095"	16000	40000	.262"
1865/16	16	26/30	.095"	16000	40000	.275"
1865/14	14	41/30	.095"	16000	40000	.293"

*Breakdown Voltage. RoHS compliant versions are available to order.
 UL approved constructions are available to order.
 Constructions using White/Red available to order.

BRIM HIGH VOLTAGE SILICONE RUBBER
LEAD WIRE--UL 3239 UL VW-1

(NEW)



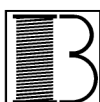
DESCRIPTION: One conductor stranded tinned copper, extruded Silicone rubber insulation overall. Constructions meet UL 3239 for 150°C, UL VW-1. Silicone rubber is abrasion & ozone resistant, & provides limited radiation resistance, plus flexibility. It can also be autoclaved. Uses include high voltage power supplies or other high voltage electronic equipment applications.

OPER. TEMP.: -40°C to +150°C.*
 Std. color: White (Natural).

OPER. VOLTAGE: 20KVDC, 30KVDC, 40KVDC.
 RoHS compliant. STD.P-U: 1000'

BRIM No.	AWG	STRAND.	NOM. WALL	OPER. VOLT.	NOM. O.D.	BRIM No.	AWG	STRAND.	NOM. WALL	OPER. VOLT.	NOM. O.D.
1808/22-2	22	7/30	.045"	20000	.121"	1808/14-2	14	41/30	.045"	20000	.167"
1808/22-3	22	7/30	.075"	30000	.181"	1808/14-3	14	41/30	.075"	30000	.227"
1808/22-4	22	7/30	.097"	40000	.225"	1808/14-4	14	41/30	.097"	40000	.271"
1808/20-2	20	10/30	.045"	20000	.126"	1808/12-2	12	65/30	.045"	20000	.181"
1808/20-3	20	10/30	.075"	30000	.186"	1808/12-3	12	65/30	.075"	30000	.241"
1808/20-4	20	10/30	.097"	40000	.230"	1808/12-4	12	65/30	.097"	40000	.285"
1808/18-2	18	16/30	.045"	20000	.136"	1808/10-2	10	105/30	.045"	20000	.220"
1808/18-3	18	16/30	.075"	30000	.196"	1808/10-3	10	105/30	.075"	30000	.280"
1808/18-4	18	16/30	.097"	40000	.240"	1808/10-4	10	105/30	.097"	40000	.325"
1808/16-2	16	26/30	.045"	20000	.150"						
1808/16-3	16	26/30	.075"	30000	.210"						
1808/16-4	16	26/30	.097"	40000	.254"						

* Nickel plated copper conductor constructions for 200°C ratings are available to order.
 Other colors are available to order. 25KVDC constructions are available to order.



BRIM ELECTRONICS, INC. 120 HOME PLACE LODI, NJ 07644
 TEL: 201-796-2886 FAX: 973-778-2792 E-MAIL: info@brimelectronics.com