

SERIES
970

Silicone insulated single-core cables Style 3644

Fixed application, unshielded



Use

Silicone insulated single-core cables designed for fixed applications or for occasional and non-cyclic mobile use. They are used for equipments meant for the European (EC), North American and Canadian markets where the temperatures can reach up 200°C. Thanks to their flexibility they are easy to install in narrow spaces and the good flame resistance makes them suitable for the installation in any industrial environment.

Technical data

Characteristics	Value/property
Conductor	Tinned copper flexible strand, Class 5
Insulation	Silicone halogen-free according to UL 758
Temperature range	-50°C, +180°C (IEC), +150°C/+200°C (UL)
Voltage rating	600/1000 V (IEC), 1000 V (UL)
Spark test	3000 V
Bending radius	5 x cable outer diameter
Standards of construction	UL 758 Flame res.: IEC 60332-1-2, UL/ CSA FT2 Haloge-free: IEC 60754-1 UV res.: ISO 4892-2 Other: ISO 60228, IEC 60754-2, CSA AWM I A, cURus AWM Style 3644
Standards of use	ANSI/NFPA 79, UL 508a, Style 3644

Marking

TEKIMA 09700 – CE 10 mm² c(UR)us E314444 AWM Style 3644 8 AWG 1000V 150°C AWM I A FT2 – (prod.reference)
 TEKIMA 09710 – CE 10 mm² c(UR)us E314444 AWM Style 3644 8 AWG 1000V 200°C AWM I A FT2 – (prod.reference)

Coding and dimensions

Code	Temperature rating	Size [AWG/kcmil]	Size [mm ²]	Diameter [mm (inch)]	Weight [kg/km (lb/mft)]	Packaging [m (ft)]
CVC250_09700_□□	150°C (UL)	14 AWG	2,5	3,6 (0.142)	30 (20)	500 (1640)
CVC400_09700_□□	150°C (UL)	12	4	4,2 (0.165)	50 (34)	500 (1640)
CVC600_09700_□□	150°C (UL)	10	6	4,8 (0.189)	70 (47)	500 (1640)*
CVCB10_09700_□□	150°C (UL)	8	10	7,0 (0.276)	120 (81)	500 (1640)*
CVCB16_09700_□□	150°C (UL)	6	16	8,6 (0.339)	195 (131)	500 (1640)*
CVCB25_09700_□□	150°C (UL)	4	25	10,0 (0.394)	285 (191)	500 (1640)*
CVCB35_09700_□□	150°C (UL)	2	35	11,1 (0.437)	385 (259)	500 (1640)*
CVCB50_09700_□□	150°C (UL)	1	50	13,6 (0.535)	565 (380)	500 (1640)*
CVCB70_09700_□□	150°C (UL)	2/0	70	15,6 (0.614)	765 (514)	500 (1640)*
CVCB95_09700_□□	150°C (UL)	3/0	95	17,6 (0.693)	1000 (672)	500 (1640)*
CVCL12_09700_□□	150°C (UL)	4/0	120	19,0 (0.748)	1240 (833)	500 (1640)*
CVCL15_09700_□□	150°C (UL)	250 kcmil	150	21,4 (0.843)	1550 (1041)	500 (1640)*
CVCL18_09700_□□	150°C (UL)	350	185	23,5 (0.925)	1900 (1277)	500 (1640)*
CVCL24_09700_□□	150°C (UL)	450	240	26,0 (1.024)	2410 (1619)	500 (1640)*
CVCL30_09700_□□	150°C (UL)	550	300	29,0 (1.142)	3050 (2050)	500 (1640)*
CVC250_09710_□□	200°C (UL)	14 AWG	2,5	3,6 (0.142)	30 (20)	500 (1640)
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CVCB35_09710_□□	200°C (UL)	2	35	11,1 (0.437)	385 (259)	500 (1640)*
CVCB50_09710_□□	200°C (UL)	1	50	13,6 (0.535)	565 (380)	500 (1640)*
CVCB70_09710_□□	200°C (UL)	2/0	70	15,6 (0.614)	765 (514)	500 (1640)*
CVCB95_09710_□□	200°C (UL)	3/0	95	17,6 (0.693)	1000 (672)	500 (1640)*

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CVCL24_09710_□□	200°C (UL)	450	240	26,0 (1.024)	2410 (1619)	500 (1640)*
CVCL30_09710_□□	200°C (UL)	550	300	29,0 (1.142)	3050 (2050)	500 (1640)*

* For this article, an additional UL certified cut-to-length service is carried out on request ("Processed Wire").

Code composition

CVC	□□□	_097	□	0_	□□
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Size	To be inserted
0,34, 0,5, ..., 6 mm ²	034, 050, ..., 600
10, 16, ..., 95 mm ²	B10, B16, ..., B95
120, 150, ..., 240 mm ²	L12, L15, ..., L24
1, 2, ..., 26 AWG	W01, W02, ..., W26
1/0, ..., 4/0 AWG	W/1, W/2, ..., W/4
250, 350, ..., 500 kcmil	X25, X35, ..., X50

Temperature	To be inserted
150°C	0
200°C	1

Color	To be inserted
Orange	AR
White	BI
Blue Ral 5010	BU
Blue Ral 5015	BL
Yellow	GI
Yellow/green	GV
Gray	GR
Brown	MR
Black	NE
Pink	RS
Red	RO
Green	VE
Violet	VI