

SERIES
1060

Single core cables type THHW/TFF MTW

Fixed application, unshielded



<HAR>



Use

Oil resistant single core cables suitable for machine tools subjected to medium mechanical stresses, for fixed or flexible installation, where free movement is required without tensile stresses and without forced guidance systems. The THHW/TFF MTW single core cables are in accordance with the ANSI/NFPA 79 and ANSI/NFPA 70 "National Electrical Code" (NEC) Art. 336.10 (7).

Technical data

Characteristics	Value/property
Conductor	Flexible bare copper strand, class 5
Insulation	PVC compound
Temperature range	+90°C (UL), +70°C (HAR) -40°C (fixed); -5°C (not fixed)
Voltage rating	600 V (UL-CSA), 300/500 V (IEC, ≤1 mm ²), 450/750 V (IEC, >1 mm ²)
Spark test	6000 V
Bending radius	4 x cable outer diameter (13 x cable outer diameter for wwnon-cyclical mobile uses)
Standards of construction	Nec Art. 336.10 (7) - Oil res.: UL 1277, UL 1063, TFF (≤1,5 mm ²) / THHW (≥2,5 mm ²) Flame res.: Test B acc. to DIN VDE 0472 part 804, IEC 60332- 1-2, UL/CSA FT1 Other: CEI EN 50525-2-31 and HD 21.3 S3:1995+A1:1999+A2:2008, CSA AWM I A/B, cURus AWM Style 1015
Standards of use	ANSI/NFPA 70 (NEC), ANSI/NFPA 79, UL 508a, CSA C22.1 (CE Code), CSA C22.2 No.286, Style 1015

Marking

TEKIMA 10600 – CE H07V-K IEMMEQU <HAR> 1x2,5 mm² 450/750V IEC 60332-1-2 RoHS (UL) E361260 MTW 1x14 AWG 600V THHW or AWM Style 1015 c(UR) AWM I A/B 600V 90°C FT1 14 AWG – (prod.reference) = (metric) =

Coding and dimensions

Code	Size [AWG/kcmil]	Size [mm ²]	Diameter [mm (inch)]	Weight [kg/km (lb/mft)]	Packaging [m (ft)]
CVC100_10600_□□	18 AWG	1	2,9 (0.114)	16 (11)	1000 (3281)
CVC150_10600_□□	16	1,5	3,2 (0.126)	23 (15)	1000 (3281)
CVC250_10600_□□	14	2,5	3,6 (0.142)	33 (22)	1000 (3281)
CVC400_10600_□□	12	4	4,3 (0.169)	49 (33)	1000 (3281)
CVC600_10600_□□	10	6	4,8 (0.189)	69 (46)	1000 (3281)*
CVCB10_10600_□□	8	10	6,5 (0.256)	118 (79)	500 (1640)*
CVCB16_10600_□□	6	16	8,3 (0.327)	191 (128)	500 (1640)*
CVCB25_10600_□□	4	25	9,8 (0.386)	284 (191)	500 (1640)*
CVCB35_10600_□□	2	35	11,0 (0.433)	382 (257)	500 (1640)*
CVCB50_10600_□□	1	50	13,7 (0.539)	564 (379)	500 (1640)*
CVCB70_10600_□□	2/0	70	15,8 (0.622)	774 (520)	500 (1640)*
CVCB95_10600_□□	3/0	95	17,3 (0.681)	1003 (674)	500 (1640)*
CVCL12_10600_□□	4/0	120	18,4 (0.724)	1221 (820)	500 (1640)*
CVCL15_10600_□□	250 kcmil	150	20,8 (0.819)	1537 (1033)	500 (1640)*
CVCL18_10600_□□	350	185	22,6 (0.890)	1869 (1256)	500 (1640)*
CVCL24_10600_□□	450	240	27,4 (1.079)	2528 (1699)	500 (1640)*

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

Code composition

CVC	□ □ □	_10600_	□ □
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Size	To be inserted
1, 1,5, ..., 6 mm ²	100, 150, ..., 600
10, 16, ..., 95 mm ²	B10, B16, ..., B95
120, 150, ..., 240 mm ²	L12, L15, ..., L24

Color	To be inserted
Yellow/green	GV
Gray	GR
Brown	MR
Black	NE

Note. The double color is such that one of the colours covers at least 30% and not more than 70% of the surface, the other colour covering the remainder of that surface.