

SERIES
1050S

Single core cables Style 1032

Fixed application, shielded



cUL[®]US

RoHS

CE UKCA



Use

Oil resistant shielded single core cables suitable for machine tools subjected to medium mechanical stresses up to 1000V. They can be used for fixed or flexible installation, where free movement is required without tensile stresses and without forced guidance systems in dry, damp and wet interiors.

Marking

TEKIMA 1050S – CE 4 mm² 600/1000V 90°C IEC 60332-1-2 c(UR)us AWM Style 1032 E314444 12 AWG 1000V 90°C AWM I A/B 90°C 1000V FT1 – (prod. reference) = (metric) =

Technical data

Characteristics	Value/property
Conductor	Flexible bare copper strand, class 5
Insulation	PVC compound
Internal tape	Polyester tape
Shield	Tinned copper braid, coverage 85%
Jacket	PVC compound
Temperature range	+90°C -40°C (fixed); -5°C (not fixed)
Voltage rating	1000 V (UL-CSA), 600/1000 V (IEC)
Spark test	10000 V
Bending radius	4 x cable outer diameter (13 x cable outer diameter for non-cyclical mobile uses)
Standards of construction	UL 758 Flame res.: Test B acc. to DIN VDE 0472 part 804, IEC 60332-1-2, IEC 60332-3-24, UL 1581 sec. 1080 VW-1, CSA C22.2 No.2556 FT1 Oil res.: DIN EN 50290-2-22, VDE 0819-102 Other: CSA AWM I A/B, cURus AWM Style 1032
Standards of use	ANSI/NFPA 79, UL 508A, CSA C22.1 (CE Code), CSA C22.2 No.286, Style 1032

Coding and dimensions

Code	Size [AWG/kcmil]	Size [mm ²]	Diameter [mm (inch)]	Weight [kg/km (lb/mft)]	Packaging [m (ft)]
CVC250_1050S_□□	14 AWG	2,5	6,6 (0.260)	81 (54)	1000 (3281)
CVC400_1050S_□□	12	4	7,2 (0.283)	104 (70)	1000 (3281)
CVC600_1050S_□□	10	6	7,9 (0.311)	133 (89)	1000 (3281)*
CVCB10_1050S_□□	8	10	9,6 (0.378)	202 (136)	500 (1640)*
CVCB16_1050S_□□	6	16	11,5 (0.453)	296 (199)	500 (1640)*
CVCB25_1050S_□□	4	25	12,7 (0.500)	396 (266)	500 (1640)*
CVCB35_1050S_□□	2	35	15,1 (0.594)	562 (378)	500 (1640)*
CVCB50_1050S_□□	1	50	18,2 (0.717)	799 (537)	500 (1640)*
CVCB70_1050S_□□	2/0	70	20,7 (0.815)	1065 (716)	500 (1640)*
CVCB95_1050S_□□	3/0	95	21,7 (0.854)	1290 (867)	500 (1640)*
CVCL12_1050S_□□	4/0	120	23,0 (0.906)	1534 (1031)	500 (1640)*
CVCL15_1050S_□□	250 kcmil	150	25,8 (1.016)	1917 (1288)	500 (1640)*
CVCL18_1050S_□□	350	185	28,0 (1.102)	2310 (1552)	500 (1640)*
CVCL24_1050S_□□	450	240	33,8 (1.331)	3166 (2127)	500 (1640)*
CVCL30_1050S_□□	550	300	37,4 (1.472)	3924 (2637)	500 (1640)*

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

Code composition

CVC	□□□	_1050S_	□□	Color	To be inserted
				Black	NE
Size	To be inserted				
2,5, 4, ..., 6 mm ²	250, 400, ..., 600				
10, 16, ..., 95 mm ²	B10, B16, ..., B95				
120, 150, ..., 300 mm ²	L12, L15, ..., L30				