

SERIES
1010S

Single core cable type XHHW-2

Fixed application, shielded



Use

As specified by ANSI/NFPA 70 "National Electrical Code" (NEC), type XHHW-2 wires are used for residential, commercial and industrial applications even in wet locations according to Art. 310. They are made of XLPE insulation material and they can be used for fixed or occasional mobile applications up to 600 V and 90°C.

Dati tecnici - Technical data

Characteristics	Value/property
Conductor	Extra-flexible bare copper strand, class 5
Insulation	XLPE
Internal tape	Polyester tape
Shield	Tinned copper braid, nom. coverage 85%
Jacket	PVC compound. Metric. marking.
Temperature range	+90°C -40°C (fixed); -15°C (not fixed)
Voltage rating	600/1000 V (IEC), 600 V (UL)
Spark test	6000 V
Bending radius	4 x cable outer diameter (13 x cable outer diameter for non-cyclical mobile uses)
Standards of construction	UL 44, Nec Art. 310 Oil res.: UL 83, UL 1063 Flame res.: Test B acc. to DIN 0472 part 804, UL FT1 Other: 2014/35/EU (Low Voltage Directive)
Standards of use	ANSI/NFPA 70 (NEC), ANSI/NFPA 79

Marking

TEKIMA 1010S – CE 1x2,5 mm² 600/1000V RoHS (UL) E501777 XHHW-2 1x14 AWG 90°C 1000V FT1 – (prod.reference) = (metric) =

Coding and dimensions

Code	Size [AWG/kcmil]	Size [mm ²]	Diameter [mm (inch)]	Weight [kg/km (lb/mft)]	Packaging [m (ft)]
CVC250_1010S_□□	14 AWG	2,5	5,8 (0.228)	62 (42)	500 (1640)
CVC400_1010S_□□	12	4	6,5 (0.256)	83 (56)	500 (1640)
CVC600_1010S_□□	10	6	7,0 (0.276)	104 (70)	500 (1640)*
CVCB10_1010S_□□	8	10	8,6 (0.339)	161 (108)	500 (1640)*
CVCB16_1010S_□□	6	16	9,8 (0.386)	228 (153)	500 (1640)*
CVCB25_1010S_□□	4	25	12,1 (0.476)	348 (234)	500 (1640)*
CVCB35_1010S_□□	2	35	13,5 (0.531)	458 (308)	500 (1640)*
CVCB50_1010S_□□	1	50	16,2 (0.638)	659 (443)	500 (1640)*
CVCB70_1010S_□□	2/0	70	17,8 (0.701)	858 (577)	500 (1640)*
CVCB95_1010S_□□	3/0	95	20,8 (0.819)	1161 (780)	500 (1640)*
CVCL12_1010S_□□	4/0	120	22,1 (0.870)	1402 (942)	500 (1640)*
CVCL15_1010S_□□	250 kcmil	150	24,3 (0.957)	1725 (1159)	500 (1640)*
CVCL18_1010S_□□	350	185	26,9 (1.059)	2103 (1413)	500 (1640)*
CVCL24_1010S_□□	450	240	30,2 (1.189)	2692 (1809)	500 (1640)*
CVCL30_1010S_□□	550	300	32,7 (1.287)	3289 (2210)	500 (1640)*

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

Code composition

CVC		_1010S_		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				