



**CONDUMEX**

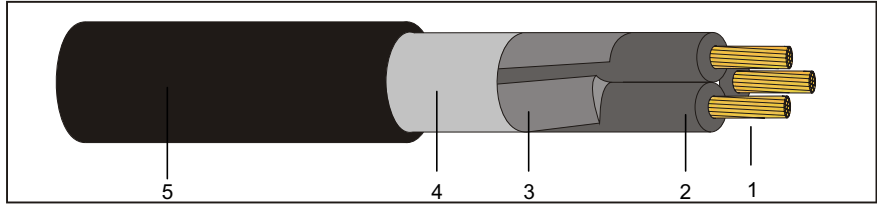


# POWER CABLE TYPE TC XHHW 600 VOLTS

16.TC-XHHW-600.01

## DESCRIPTION

- 1) Annealed bare stranded compressed Class B copper conductors.
- 2) Cross-Linked polyethylene, thermosetting XLPW insulation.
- 3) Fillers (if required)
- 4) Binder tape over core.
- 5) Overall flame retardant PVC jacket.



## APPLICATION

Condumex Type TC cable may be used for power, lighting, control, signal and communication circuits, in cable trays, raceways, direct burial, or on messenger. Type TC cable may be used in wet or dry locations and in the presence of oil and most chemicals in accordance with the National Electrical Code.

## MAXIMUM OPERATING VOLTAGE

600 volts

## MAXIMUM CONDUCTOR TEMPERATURE

Normal 90° C  
Overload 130° C

## FEATURES

- 1) UL listed for direct burial.
- 2) Flame retardant, (passes UL 1277 70,000 BTU flame test.)
- 3) Sunlight resistant; can be installed outdoors.
- 4) UL listed as Type TC for power and control tray cable, use in accordance with the National Electrical Code.
- 5) PVC jacket is UL rated 90° C and listed Oil Resistant I.
- 6) Acceptable for Class 1, Division 2, Hazardous Locations applications.

## SPECIFICATIONS

UL 1277

## HOW TO ORDER

Condumex Tray Cable Type TC/XHHW, 600 Volts number and size of conductors, with or without grounding conductor.

Size AWG/kcmil	Number of Conductors	Ground Conductor AWG	Insulation Thickness mils	Jacket Thickness mils	Overall Diameter inch	Net Weight lb/Mft
8	3	10	45	60	0.66	336
6	3	8	45	60	0.74	474
4	3	8	45	80	0.88	691
2	3	6	45	80	1.03	1015
1/0	3	6	55	80	1.21	1501
2/0	3	4	55	80	1.31	1861
3/0	3	4	55	80	1.42	2255
4/0	3	4	55	80	1.54	2735
250	3	4	65	110	1.75	3298
350	3	3	65	110	1.96	4437
500	3	2	65	110	2.25	6120
8	4	10	45	60	0.73	418
6	4	8	45	80	0.87	630
4	4	8	45	80	0.97	867
2	4	6	45	80	1.12	1276
1/0	4	6	55	80	1.34	1900
350	4	3	65	110	2.17	5681
500	4	2	65	110	2.49	7870

Dimension and weights shown are nominal, unless otherwise indicated, and subject to manufacturing tolerances.



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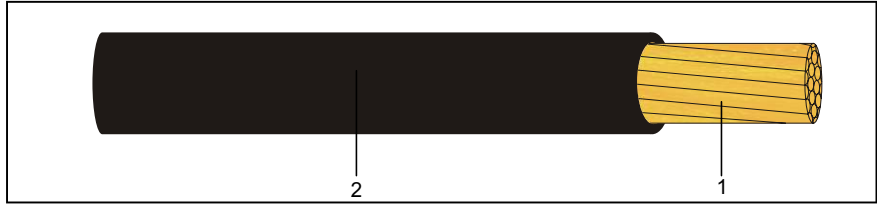


# VULCANEL® XLPE CABLE TYPE XHHW-2 600 VOLTS

16.PWR-600-XLPE.01

## DESCRIPTION

- 1) Annealed bare stranded class B concentric round (14-8 AWG) compressed (6 AWG-1000 MCM) copper conductor.
- 2) Cross-linked polyethylene (XLPE) insulation.



## APPLICATION

Power or control circuits in recognized raceways, in wet or dry location and in presence of oil. Also suitable as switchboard wiring.

## MAXIMUM OPERATING VOLTAGE

600 volts

## MAXIMUM CONDUCTOR TEMPERATURE

Dry locations	90° C
Wet locations	75° C
Overload	130° C
Short Circuit	250° C

## FEATURES

- 1) Smaller overall diameter for easier pulling and greater conduit fill.
- 2) Good moisture resistance.
- 3) Good resistance to most oils and chemicals.
- 4) Suitable for installation in sub-zero temperatures.
- 5) Optical "For CT use" marking, for use in cable trays. Sunlight resistant in accordance with NEC Article 318.
- 6) Available in VW-1 and non VW-1 designs.

## SPECIFICATIONS

UL-44 (UL)

Size AWG/kcmil	Number of Strands	Conductor Area kcmil	Conductor Diameter inch	Insulations Thickness Mils	Overall Diameter inch	Net Weight lb/Mft
14	7	4.1	0.07	30	0.13	19
12	7	6.5	0.09	30	0.15	48
10	7	10.3	0.11	30	0.17	42
8	7	16.5	0.15	45	0.24	71
6	7	26.2	0.18	45	0.27	98
4	7	41.7	0.23	45	0.32	153
2	7	66.3	0.29	45	0.38	241
1/0	19	106.0	0.37	55	0.48	378
2/0	19	133.0	0.41	55	0.52	446
3/0	19	168.0	0.47	55	0.58	556
4/0	19	211.0	0.52	55	0.63	697
250	37		0.57	65	0.70	851
300	37		0.62	65	0.75	997
350	37		0.67	65	0.80	1180
400	37		0.72	65	0.85	1306
500	37		0.80	65	0.93	1662
600	61		0.88	80	1.04	1974
750	61		0.98	80	1.15	2450
1000	61		1.14	80	1.30	3240

Dimension and weights shown are nominal, unless otherwise indicated, and subject to manufacturing tolerances.

## HOW TO ORDER

VULCANEL® XLPE cable, type XHHW-2, 600 volts, size and length.

## National Electrical Code References:

Ampacities	Article 310
Switchboard wiring	Article 384
Conduit fill tables	Chapter 9

\* Dupont trade mark



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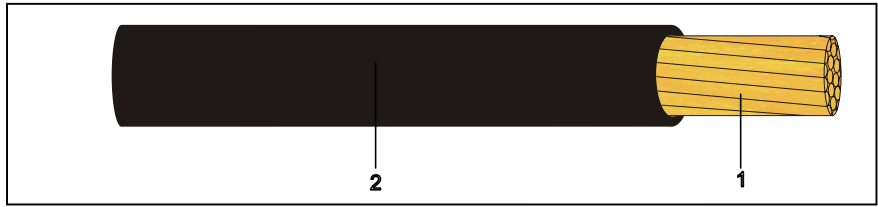


# TYPE RHH-RHW-USE-2 COPPER XLPE 600 VOLTS

15.PWR-600- CUXLPE.01

## DESCRIPTION

- 1) Annealed bare stranded class B conductor
- 2) Flame-retardant cross-linked polyethylene (XLPE) insulation.



## APPLICATION

May be installed in free air, all raceways or use in direct burial in industrial and commercial application. May be used as underground service entrance cable.

## MAXIMUM OPERATING VOLTAGE

600 volts

## MAXIMUM CONDUCTOR TEMPERATURE

Type RHH                    90° C Dry and damp locations  
 Type RHW or USE        75° C Dry and wet locations

## FEATURES

- 1) Flame retardant, moisture and heat resistant insulation.
- 2) UL listed as types RHH or RHW or USE for use in accordance with the National Electrical Code.
- 3) UL approved as VW-1 (RHH or RHW)
- 4) Good resistance to most oils and chemicals.
- 5) Suitable for installation in sub-zero temperatures.
- 6) Stable electrical properties.
- 7) Extremely tough.

Size AWG/kcmil	Number of Strands	Conductor Area	Conductor Diameter	Insulations Thickness	Overall Diameter	Net Weight
		kcmil	inch	mils	inch	lb/Mft
8	7	16.5	0.15	60	0.27	73
6	7	26.2	0.18	60	0.31	108
4	7	41.7	0.22	60	0.35	161
2	7	66.3	0.28	60	0.41	245
1/0	19	106	0.36	80	0.53	392
2/0	19	133	0.41	80	0.58	485
3/0	19	168	0.46	80	0.63	600
4/0	19	211	0.51	80	0.69	746
250	37		0.56	95	0.76	887
300	37		0.61	95	0.82	1052
350	37		0.66	95	0.87	1216
400	37		0.71	95	0.92	1380
500	37		0.79	95	0.99	1708
600	61		0.87	110	1.11	2055
750	61		0.97	110	1.20	2542
1000	61		1.12	110	1.36	3353

Dimension and weights shown are nominal, unless otherwise indicated, and subject to manufacturing tolerances.

## SPECIFICATIONS

UL-44 (UL) Standard for Rubber-Insulated Wires and Cables.

ICEA S-66-524 Standard for Cross-Linked Polyethylene Insulated Wire and Cable.

National Electrical Code References:

Product                    Article 310, Table 310-13  
 Ampacities                Article 310-15

## HOW TO ORDER

CONDUMEX type RHH-RHW-USE-2 XLPE 600 volts, size, length, quantity, packaging.