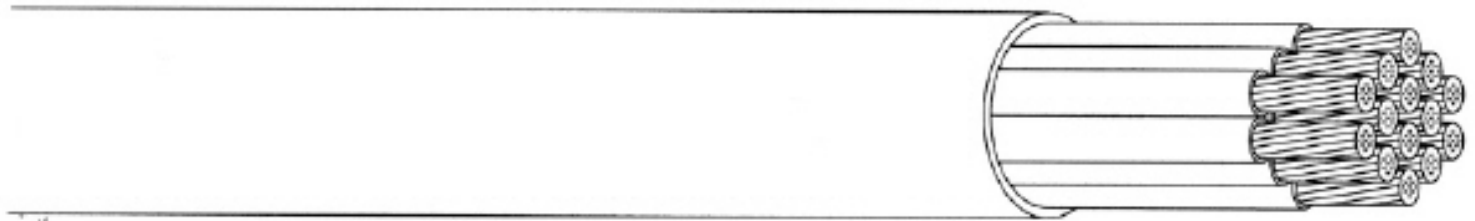


Type TC Control Cable-XHHW/CPE

Type TC Control Cable. 600 Volt. Copper Conductors.
FR-XLP Insulated Singles Type XHHW rated VW-1.
Overall Chlorinated Polyethylene (CPE) Jacket.
Heat, Moisture and Sunlight Resistant.



APPLICATIONS

Southwire's Type TC Control Cable is for use in industrial power or control circuits where small diameter, flame retardant cables are desired. Primary installations include cable trays, raceways, and outdoor locations where supported by a messenger wire. Type TC Control Cable is also listed for direct burial and for use in Class 1, Division 2 hazardous locations and Class 1 control circuits. Constructions with 3 or more conductors are listed for exposed runs (TC-ER) per NEC 336.10. Conductors may be used in wet or dry locations at temperatures not to exceed 90°C.

SPECIFICATIONS

Southwire's Type TC Control Cable meets or exceeds the applicable requirements of the following standards and specifications:

- ASTM - (All applicable standards).
- UL 1277 - Electrical Power and Control Tray Cables.
- UL 1685 - UL Flame Exposure Test (70,000 Btu/hr).
- ICEA S-58-679 - Control Cable Conductor Identification. (Method 1, Table 2 - colored compounds with tracer colors - excluding white and green).
- IEEE 1202 - Flame Testing of Cables for Use in Cable Tray in Industrial and Commercial Occupancies (70,000 Btu/hr).

Type TC Control Cable meets and exceeds all construction requirements of ICEA S-95-658 (NEMA WC 70) - Nonshielded 0 - 2 kV Cables, with testing frequencies based on UL requirements."

CONSTRUCTION

Southwire's Type TC Control Cable is available in sizes 14 AWG through 10 AWG, with multiconductor constructions of two through 37 conductors. The product uses Type XHHW-2 rated VW-1 conductors. Individual conductors are bare annealed copper covered with a cross-linked polyethylene (XLP). The overall jacket consists of a flame retardant, moisture, and sunlight resistant CPE. PVC and Non-halogen jackets available upon request.

XHHW/CPE Type TC Control Cable

AWG 14 (7 strands) Type TC-XHHW-2 Conductors					
Number of Conductors	Jacket Thickness (inches)	Avg. Overall Diameter		Approximate Weight	
		inches	mm	lbs./1000 ft.	kg./km.
2	.045	.349	8.9	62	92
3	.045	.37	9.4	85	127
4	.045	.403	10.2	104	155
5	.045	.44	11.2	123	183
7	.045	.479	12.2	163	242
9	.06	.588	14.9	220	327
12	.06	.659	16.7	282	419
15	.06	.73	18.6	343	511
19	.06	.768	19.5	420	624
25	.08	.938	23.8	576	857
37	.08	1.067	27.1	811	1206

AWG 12 (7 strands) Type TC-XHHW-2 Conductors					
Number of Conductors	Jacket Thickness (inches)	Avg. Overall Diameter		Approximate Weight	
		inches	mm	lbs./1000 ft.	kg./km.
2	.045	.384	9.8	84	125
3	.045	.408	10.4	114	169
4	.045	.445	11.3	145	216
5	.045	.487	12.4	170	252
7	.06	.562	14.3	241	358
9	.06	.651	16.5	303	452
12	.06	.732	18.6	392	583
15	.06	.813	20.7	480	714
19	.08	.896	22.8	622	925
25	.08	1.043	26.5	804	1196
37	.08	1.19	30.2	1144	1702

XHHW/CPE Type TC Control Cable

AWG 10 (7 strands) Type TC-XHHW-2 Conductors					
Number of Conductors	Jacket Thickness (inches)	Avg. Overall Diameter		Approximate Weight	
		inches	mm	lbs./1000 ft.	kg./km.
2	.045	.431	11	114	170
3	.045	.459	11.7	159	236
4	.045	.502	12.8	204	303
5	.06	.581	14.8	257	382
7	.06	.632	16.1	342	510
9	.06	.736	18.7	433	645
12	.08	.87	22.1	593	883
15	.08	.964	24.5	726	1081