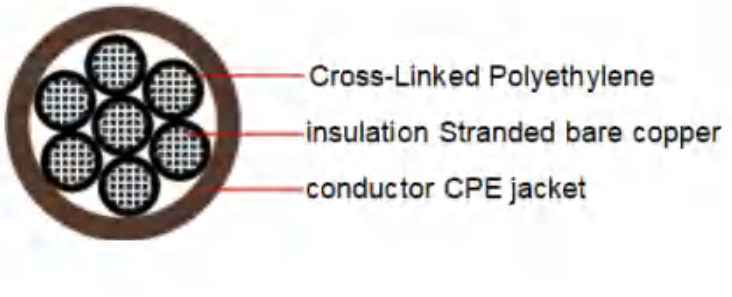

Applications:

XHHW/CPE 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.

Construction:

Conductor:Stranded bare annealed copper, available in size AWG14, 12, 10(Type XHHW-2)

Insulation: Flame-retardant and moisture resistant Cross-Linked Polyethylene (FRXLPE)

Jacket: Flame retardant, moisture and sunlight resistant CPE (PVC/LSOH is available upon request)

Color: upon request, black is preferable

Compliances:

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

IEEE 1202 - Flame Testing of Cables for Use in Cable Tray in Industrial and (70,000 Btu/hr)

Parameters:

No.of Cores	Nominal jacket Thickness Inch/ mm		Nominal Overall Diameter Inch/mm		Cable Weight Lbs/ kft kg/ km	
AWG 14 (7 strands)						
2	0.045	1.14	0.349	8.86	62	92
3	0.045	1.14	0.370	9.40	85	127
4	0.045	1.14	0.403	10.24	104	155
5	0.045	1.14	0.440	11.18	123	183
7	0.045	1.14	0.479	12.17	163	242
9	0.060	1.52	0.588	14.94	220	327
12	0.060	1.52	0.659	16.74	282	419
15	0.060	1.52	0.730	18.54	343	511
19	0.060	1.52	0.768	19.51	420	624
25	0.080	2.03	0.938	23.83	576	857
37	0.080	2.03	1.067	27.10	811	1206
AWG 12 (7 strands)						
2	0.045	1.14	0.384	9.75	84	125
3	0.045	1.14	0.408	10.36	114	169
4	0.045	1.14	0.445	11.30	145	216

5	0.045	1.14	0.487	12.37	170	252
7	0.060	1.52	0.562	14.27	241	358
9	0.060	1.52	0.651	16.54	303	452
12	0.060	1.52	0.732	18.59	392	583
15	0.060	1.52	0.813	20.65	480	714
19	0.080	2.03	0.896	22.76	622	925
25	0.080	2.03	1.043	26.49	804	1196
37	0.080	2.03	1.190	30.23	1144	1702
AWG 10 (7 strands)						
2	0.045	1.14	0.431	10.95	114	170
3	0.045	1.14	0.459	11.66	159	236
4	0.045	1.14	0.502	12.75	204	303
5	0.060	1.52	0.581	14.76	257	382
7	0.060	1.52	0.632	16.05	342	510
9	0.060	1.52	0.736	18.69	433	645
12	0.080	2.03	0.870	22.10	593	883
15	0.080	2.03	0.964	24.49	726	1081