

XLP/TS-CPE

**Product Description**

XLP insulation
TS-CPE jacket
UL Listed Type TC
90°C, 600 V

Applications

Used for control and power applications in chemical plants, steel mills, industrial plants, utility substations and generating stations, residential and commercial buildings. May be used in Class 1, Div. 2 Hazardous Locations per NEC Art. 501. These cables also conform to Art. 392 "Cable Trays" and Art. 336 "Power and Control Tray Cable." Suitable for aerial, duct or direct burial.

Specifications

- CONDUCTOR: Class B stranded, tinned copper per ASTM B-3 and B-8
- INSULATION: Cross-Linked Polyethylene (XLP), per ICEA S-95-658 (NEMA WC70), meets UL requirements for Type XHHW-2
- COLOR CODE*: Conductors are coded per ICEA Method 4 (printed numbers)
- ASSEMBLY: Insulated conductors together with one bare UL ground wire, cabled together with suitable fillers and wrapped with a clear Mylar tape
- OVERALL JACKET: Sunlight-resistant thermoset Chlorinated Polyethylene (TS-CPE)
- STANDARDS: Meets UL 1277 requirements for Type TC cables having VW-1 rated XHHW-2 conductors. Cables are listed for direct burial and meet the IEEE 1202, IEEE 383, and UL 1685, 70,000 Btu/hr flame tests as well as the ICEA T-29-520, 210,000 Btu/hr flame test
- AMPACITY: Based on not more than three conductors in raceway or cable or earth per NEC Table 310.16 with an ambient temperature of 30°C and a conductor temperature of 90°C. All 4-conductor values have been derated per 2008 NEC Table 310.15(B)(2)(a)
- TEMPERATURE: 90°C
- VOLTAGE: 600 V

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Diameters and weights may vary among manufacturers.

Part No.	Conductor Size AWG/kcmil	No. of Strands	Ground Wire Size AWG	No. of Conductors	Insulation Thickness (in.)	Overall Jacket Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
3RH-1003	10	7	10	3	0.030	0.045	0.490	205	30
3RH-0803	8	7	10	3	0.045	0.045	0.660	223	55
3RH-0804	8	7	10	4	0.045	0.060	0.726	421	44
3RH-0603	6	7	8	3	0.045	0.060	0.745	483	75
3RH-0604	6	7	8	4	0.045	0.060	0.820	600	60
3RH-0403	4	7	8	3	0.045	0.080	0.890	700	95
3RH-0404	4	7	8	4	0.045	0.080	0.975	882	76
3RH-0203	2	7	6	3	0.045	0.080	1.020	1,025	130
3RH-0204	2	7	6	4	0.045	0.080	1.020	1,290	104
3RH-1013	1/0	19	6	3	0.055	0.080	1.240	1,500	170
3RH-2023	2/0	19	6	3	0.055	0.080	1.340	1,809	195
3RH-2024	2/0	19	6	4	0.055	0.080	1.480	2,310	156
3RH-4043	4/0	19	4	3	0.055	0.080	1.578	2,720	260
3RH-2503	250	37	4	3	0.065	0.110	1.750	3,590	290
3RH-3503	350	37	3	3	0.065	0.110	2.010	4,435	350
3RH-5003	500	37	2	3	0.065	0.110	2.300	6,075	430
3RH-5004	500	37	2	4	0.065	0.110	2.550	7,910	344

Conductor Insulation Color Code chart ICEA Method 4: All conductors black*

Conductor	Conductor Printing	Conductor	Conductor Printing	Conductor	Conductor Printing
1 st	"1-ONE-1"	18 th	"18-EIGHTEEN-18"	35 th	"35-THIRTY-FIVE-35"
2 nd	"2-TWO-2"	19 th	"19-NINETEEN-19"	36 th	"36-THIRTY-SIX-36"
3 rd	"3-THREE-3"	20 th	"20-TWENTY-20"	37 th	"37-THIRTY-SEVEN-37"
4 th	"4-FOUR-4"	21 st	"21-TWENTY-ONE-21"	38 th	"38-THIRTY-EIGHT-38"
5 th	"5-FIVE-5"	22 nd	"22-TWENTY-TWO-22"	39 th	"39-THIRTY-NINE-39"
6 th	"6-SIX-6"	23 rd	"23-TWENTY-THREE-23"	40 th	"40-FORTY-40"
7 th	"7-SEVEN-7"	24 th	"24-TWENTY-FOUR-24"	41 st	"41-FORTY-ONE-41"
8 th	"8-EIGHT-8"	25 th	"25-TWENTY-FIVE-25"	42 nd	"42-FORTY-TWO-42"
9 th	"9-NINE-9"	26 th	"26-TWENTY-SIX-26"	43 rd	"43-FORTY-THREE-43"
10 th	"10-TEN-10"	27 th	"27-TWENTY-SEVEN-27"	44 th	"44-FORTY-FOUR-44"
11 th	"11-ELEVEN-11"	28 th	"28-TWENTY-EIGHT-28"	45 th	"45-FORTY-FIVE-45"
12 th	"12-TWELVE-12"	29 th	"29-TWENTY-NINE-29"	46 th	"46-FORTY-SIX-46"
13 th	"13-THIRTEEN-13"	30 th	"30-THIRTY-30"	47 th	"47-FORTY-SEVEN-47"
14 th	"14-FOURTEEN-14"	31 st	"31-THIRTY-ONE-31"	48 th	"48-FORTY-EIGHT-48"
15 th	"15-FIFTEEN-15"	32 nd	"32-THIRTY-TWO-32"	49 th	"49-FORTY-NINE-49"
16 th	"16-SIXTEEN-16"	33 rd	"33-THIRTY-THREE-33"	50 th	"50-FIFTY-50"
17 th	"17-SEVENTEEN-17"	34 th	"34-THIRTY-FOUR-34"		

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