

XLP/PVC Tray Cable

Product Description

XLP insulation
PVC jacket
UL Listed Type TC-ER



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.

Specification

- CONDUCTOR: Class B stranded, annealed, bare copper per ASTM B3 and B8
- INSULATION: Cross-Linked Polyethylene (XLP) per UL 44 requirements for Type XHHW-2
- COLOR CODE*: 12 and 10 AWG are color coded black, red and blue, 8 AWG and larger are colored black and numbered per ICEA Method 4 (printed numbers)
- ASSEMBLY: Three insulated conductors and one bare UL Class B stranded copper ground conductor are cabled together with suitable non-hygroscopic fillers and binder to make round. Sizes 12 AWG to 6 AWG have an insulated green ground wire. Sizes 4 AWG and larger have a bare ground wire.
- OVERALL JACKET: Sunlight-resistant Polyvinyl Chloride (PVC) per UL 1277
- STANDARDS: Meets UL 1277 requirements for Type TC cables having XHHW-2 conductors. Cables are listed for direct burial and meet the IEEE 1202 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, based on an ambient temperature of 30°C and a conductor temperature of 90°C
- TEMPERATURE: 90°C
- VOLTAGE: 600 V

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Unless otherwise permitted in the NEC, the overcurrent protection shall not exceed 20 A for 12 AWG and 30 A for 10 AWG. Diameters and weights may vary among manufacturers.

Part No.	Conductor Size AWG/kcmil	No. of Strands	Ground Wire Size AWG	Insulation Thickness (in.)	Overall Jacket Thickness (in.)
3H-1203	12	7	12	0.030	0.045
3H-1003	10	7	10	0.030	0.060
3H-0803	8	7	10	0.045	0.060
3H-0603	6	7	8	0.045	0.060
3H-0403	4	7	8	0.045	0.080
3H-0203	2	7	6	0.045	0.080
3H-0103	1	19	6	0.055	0.080
3H-1013	1/0	19	6	0.055	0.080
3H-2023	2/0	19	6	0.055	0.080
3H-3033	3/0	19	4	0.055	0.080
3H-4043	4/0	19	4	0.055	0.080
3H-2503	250	37	4	0.065	0.110
3H-3503	350	37	3	0.065	0.110
3H-5003	500	37	2	0.065	0.110

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

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

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