

PVC-NYLON/PVC Tray Cable



Product Description

PVC-Nylon Insulation
PVC Jacket
UL Listed, Type TC

Applications

Used for control and power applications in chemical plants, steel mills, industrial plants, utility substations and generating stations, residential and commercial buildings. Suitable for aerial, duct or direct burial.

Specifications

- CONDUCTOR: Class B stranded bare copper per ASTM B-3 and B-8.
- INSULATION: Polyvinyl Chloride (PVC), nylon armored per UL 83 for Type THHN/THWN.
- COLOR CODE*: Conductors are color coded per ICEA Method 4 (Printed numbers).
- ASSEMBLY: Insulated conductors are cabled together with fillers as necessary to make round.
- OVERALL JACKET: Sunlight-resistant polyvinyl chloride (PVC) per UL 1277.
- STANDARDS: Tested per UL requirements for Type TC cables having THWN or THHN conductors. Cables are listed for direct burial and meet the IEEE 383, UL 1277 and 70,000 BTU/hr flame tests.
- AMPACITY: Based on not more than three conductors in raceway or cable or earth per NEC 310-6 with a conductor temperature of 90°C and an ambient temperature of 30°C. All 4-conductor values have been derated per the NEC.
- TEMPERATURE: 90°C
- VOLTAGE: 600 Volts

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For constructions with ground wire add WG to Part No. (e.g. 3G-0203WG). Diameters and weights may vary among manufacturers.

Part No.	Conductor Size AWG/kcmil	No. of Strands	No. of Conductors	Overall Jacket Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
3G-0803	8	7	3	0.060	0.600	283	55
3G-0804	8	7	4	0.060	0.658	352	44
3G-0603	6	7	3	0.060	0.684	400	75
3G-0604	6	7	4	0.060	0.752	506	60
3G-0403	4	7	3	0.080	0.876	653	95
3G-0404	4	7	4	0.080	0.963	828	76
3G-0203	2	7	3	0.080	1.005	948	130
3G-0204	2	7	4	0.080	1.107	1,206	104
3G-1013	1/0	19	3	0.080	1.231	1,436	170
3G-1014	1/0	19	4	0.080	1.360	1,850	136
3G-2023	2/0	19	3	0.080	1.328	1,750	195
3G-2024	2/0	19	4	0.080	1.469	2,345	156
3G-4043	4/0	19	3	0.110	1.556	2,610	260
3G-4044	4/0	19	4	0.110	1.784	3,480	208
3G-2503	250	37	3	0.110	1.762	3,190	290
3G-2504	250	37	4	0.110	1.948	4,119	232
3G-3503	350	37	3	0.110	1.983	4,150	350
3G-3504	350	37	4	0.110	2.196	5,530	280
3G-5003	500	37	3	0.110	2.259	5,980	430
3G-5004	500	37	4	0.110	2.505	7,668	344

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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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