

PVC-Nylon/PVC Tray Cable - With Ground

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. 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: Polyvinyl Chloride (PVC), nylon covered per UL 83 for Type THHN/THWN
- COLOR CODE: Conductors are color coded per ICEA Method 4 (printed numbers)
- ASSEMBLY: Insulated conductors are cabled with a single ground wire and fillers as necessary to make round
- OVERALL JACKET: Sunlight-resistant Polyvinyl Chloride (PVC) per UL 1277
- STANDARDS: Meets UL 1277 requirements for Type TC cables having THWN or THHN 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 with a conductor temperature of 90°C and an ambient temperature of 30°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	Overall Jacket Thickness (in.)
3G-0803WG	8	7	10	3	0.06
3G-0804WG	8	7	10	4	0.06
3G-0603WG	6	7	8	3	0.06
3G-0604WG	6	7	8	4	0.06
3G-0403WG	4	7	8	3	0.08
3G-0404WG	4	7	8	4	0.08
3G-0203WG	2	7	6	3	0.08
3G-0204WG	2	7	6	4	0.08
3G-0103WG	1	7	6	3	0.08
3G-1013WG	1/0	19	6	3	0.08
3G-1014WG	1/0	19	6	4	0.08
3G-2023WG	2/0	19	6	3	0.08
3G-2024WG	2/0	19	6	4	0.08
3G-4043WG	4/0	19	4	3	0.11
3G-4044WG	4/0	19	4	4	0.11
3G-2503WG	250	37	4	3	0.11
3G-2504WG	250	37	4	4	0.11
3G-3503WG	350	37	3	3	0.11
3G-3504WG	350	37	3	4	0.11
3G-5003WG	500	37	2	3	0.11
3G-5004WG	500	37	2	4	0.11

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