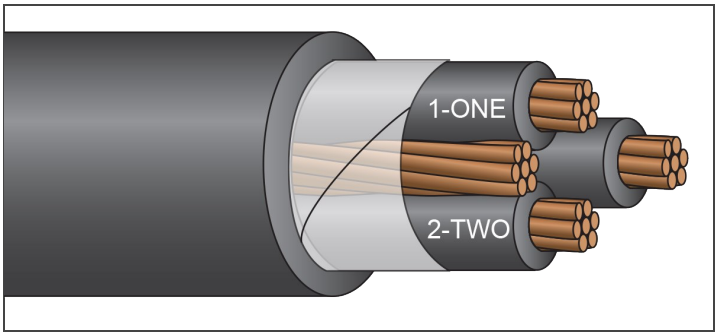
TRAY & POWER CABLES



TRAY CABLE

RW90/PVC

1,000 Volt Copper

3 Conductor

Description:

Three copper conductors, stranded and insulated with heat and moisture resistant, chemically crosslinked polyethylene *(type USE-2 or RW90 1kV)*, phase identified and cabled together with fillers *(when necessary)* and bare copper ground conductor. Cable core covered with binder tape and overall black PVC jacket. ***Jacket available in colors.***

Application:

Suitable for use in hazardous locations: Class I - Div 2, Class II - Div 2
Suitable for submersible applications.

Standards:

UL 1277
CSA C22.2 #230 TC
ICEA S-95-658/NEMA WC-70
Exposed Runs Rated *(TC-ER)*
IMSA 19-1 *(K-1 Colors)*
Flame Rated: IEEE 383 *(70,000 BTU)*, ICEA T-29-520 *(210,000 BTU)*
(1/0 AWG and larger), IEEE 1202/CSA FT-4 *(1/0 AWG and larger)*,
Two-hour Firewall
Temperature Rated at 90°C Wet/Dry
Sunlight and Oil Resistant II Jacket
Direct Burial
Color Code: Method 4
K-2 Solid Colors *(#14 AWG - #10 AWG)*
(optional color codes available)
RoHS Compliant

Part Number	Size (AWG or Kcmil)	Strand (no.)	Insulation Thickness (mils)	Grounding Conductor (AWG)	PVC Jacket Thickness (mils)	Approx. Diameter Overall (in.)	Approx. Net Weight (lb./1000')	Ampacity* (30°C ambient) 90°C Wet/Dry
TCP14/3UG	**14**	**7**	**45**	**14**	**45**	**0.44**	**100**	**25†**
TCP12/3UG	**12**	**7**	**45**	**12**	**45**	**0.48**	**149**	**30†**
TCP10/3UG	**10**	**7**	**60**	**10**	**60**	**0.56**	**220**	**40†**
TCP8/3UG	**8**	**7**	**60**	**10**	**60**	**0.69**	**314**	**55**
TCP6/3UG	**6**	**7**	**60**	**8**	**60**	**0.79**	**482**	**75**
TCP4/3UG	**4**	**7**	**80**	**8**	**80**	**0.93**	**702**	**95**
TCP3/3UG	**3**	**7**	**80**	**6**	**80**	**0.99**	**855**	**115**
TCP2/3UG	**2**	**7**	**80**	**6**	**80**	**1.05**	1,014	**130**
TCP1/3UG	**1**	**19**	**80**	**6**	**80**	**1.21**	**1,271**	**145**
TCP1/03UG	**1/0**	**19**	**80**	**6**	**80**	**1.29**	**1,535**	**170**
TCP2/03UG	**2/0**	**19**	**80**	**6**	**80**	**1.39**	**1,848**	**195**
TCP3/03UG	**3/0**	**19**	**80**	**4**	**80**	**1.49**	**2,280**	**225**
TCP4/03UG	**4/0**	**19**	**80**	**4**	**80**	**1.62**	**2,770**	**260**
TCP250/3UG	**250**	**37**	**95**	**4**	**110**	**1.82**	**3,315**	**290**
TCP300/3UG	**300**	**37**	**95**	**3**	**110**	**2.00**	**3,947**	**320**
TCP350/3UG	**350**	**37**	**95**	**3**	**110**	**2.03**	**4,438**	**350**
TCP400/3UG	**400**	**37**	**95**	**3**	**110**	**2.20**	**5,032**	**380**
TCP500/3UG	**500**	**37**	**95**	**2**	**110**	**2.30**	**6,087**	**430**
TCP600/3UG	**600**	**61**	**110**	**2**	**110**	**2.52**	**7,242**	**475**
TCP750/3UG	**750**	**61**	**110**	**1**	**110**	**2.69**	**8,846**	**535**

**Per NEC Table 310.15 (B)(16). †The overcurrent protection for items marked with an obelisk (†) shall not exceed 15 amps for #14 AWG, 20 amps for #12 AWG, and 30 amps for #10 AWG per NEC 310-16 footnote. NOTE: The data shown is approximate and subject to standard industry tolerances.*