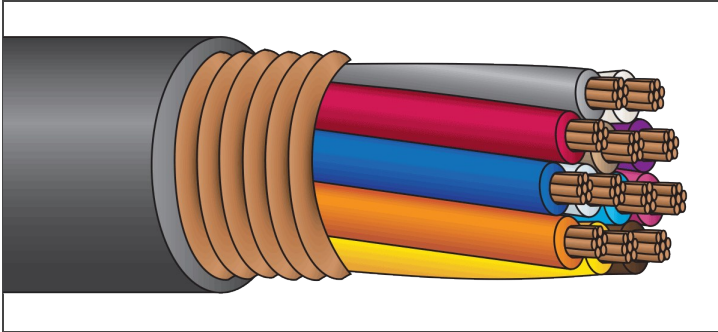


TRAY & POWER CABLE



TRAY CABLE
RW90/EnviroPlus®, Shielded
600 Volt Copper, LSZH Jacket
Factory Mutual Group 1



Description:

Conductors are stranded, annealed copper, insulated with heat and moisture resistant crosslinked polyethylene (*type XHHW- 2 or RW90*) and phase identified. Cabled with fillers (*when necessary*). Cable core is covered with binder tape, longitudinally applied corrugated copper tape shield and an overall black zero halogen, low smoke, zero lead jacket. **Available with tinned conductors.**

Application:

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

Standards:

UL1277, CSA C22.2 #230/#239 TC/CIC
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*), IEEE 1202/CSA FT-4,
UL1685 and UL 1581, Two-hour Firewall
Temperature Rated 90°C Wet/Dry
Cold Temperature Rated at -40°C
Sunlight Resistant
Direct Burial
Color Code: K-2 (*optional color codes available*)
Zero Halogen, Low Smoke Jacket
RoHS Compliant

| Part Number | Number of Conductors | Overall Jacket (mils) | Nominal Diameter (in.) | Approx. Net Weight (lb./1000') | Ampacity* (30°C ambient) 90°C Wet/Dry |
|--------------|----------------------|-----------------------|------------------------|--------------------------------|---------------------------------------|
| TCNHSHC14/2 | 2 | 45 | 0.45 | 110 | 25† |
| TCNHSHC14/3 | 3 | 45 | 0.47 | 130 | 25† |
| TCNHSHC14/4 | 4 | 45 | 0.50 | 154 | 20† |
| TCNHSHC14/5 | 5 | 60 | 0.57 | 195 | 20† |
| TCNHSHC14/7 | 7 | 60 | 0.61 | 239 | 17† |
| TCNHSHC14/9 | 9 | 60 | 0.69 | 292 | 17† |
| TCNHSHC14/12 | 12 | 60 | 0.76 | 358 | 12 |
| TCNHSHC14/19 | 19 | 80 | 0.91 | 547 | 12 |
| | | | | | |
| TCNHSHC12/2 | 2 | 45 | 0.48 | 131 | 30† |
| TCNHSHC12/3 | 3 | 45 | 0.51 | 163 | 30† |
| TCNHSHC12/4 | 4 | 60 | 0.58 | 214 | 24† |
| TCNHSHC12/5 | 5 | 60 | 0.62 | 249 | 24† |
| TCNHSHC12/7 | 7 | 60 | 0.67 | 311 | 21† |
| TCNHSHC12/9 | 9 | 60 | 0.76 | 382 | 21† |
| TCNHSHC12/12 | 12 | 80 | 0.88 | 514 | 15 |
| TCNHSHC12/19 | 19 | 80 | 1.01 | 734 | 15 |
| | | | | | |
| TCNHSHC10/2 | 2 | 60 | 0.56 | 181 | 40† |
| TCNHSHC10/3 | 3 | 60 | 0.59 | 227 | 40† |
| TCNHSHC10/4 | 4 | 60 | 0.63 | 275 | 32† |
| TCNHSHC10/5 | 5 | 60 | 0.68 | 324 | 32† |
| TCNHSHC10/7 | 7 | 60 | 0.73 | 416 | 28† |
| TCNHSHC10/9 | 9 | 80 | 0.88 | 550 | 28† |
| TCNHSHC10/12 | 12 | 80 | 0.98 | 696 | 20 |
| TCNHSHC10/19 | 19 | 80 | 1.12 | 1,007 | 20 |

*Per NEC Table 310.15 (B)(16). (Ampacity derated in accordance with note 8a.) †The overcurrent protection for items marked with an (†) shall not exceed 15 amps for #14 AWG, and 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.