

INSTRUMENT CABLE - TINNED COPPER INDIVIDUALLY SHIELDED PAIRS TYPE PLTC, 105DEG C, 300VOLTS

CONSTRUCTION:

CONDUCTOR STRANDED TINNED COPPER.

INSULATION FLAME RETARDANT PVC.

COLOR CODE PAIRS ARE CODED BLACK AND RED. ONE CONDUCTOR IN EACH PAIR IS ALSO NUMBERED FOR EASE OF IDENTIFICATION.

ASSEMBLY INSULATED CONDUCTORS ARE TWISTED INTO PAIRS; TWISTED PAIRS ARE INDIVIDUALLY SHIELDED WITH ALUMINUM/MYLAR TAPE SHIELD AND STRANDED TINNED COPPER DRAIN WIRE TO PROVIDE 100% SHIELDING COVERAGE. SHIELDED PAIRS CABLED TOGETHER.

JACKET SUNLIGHT AND MOISTURE RESISTANT, FLAME RETARDANT GRAY PVC.

| Charlotte Wire Part# | Size AWG | Number of Pairs | Number of Strands | Insulation Thickness (in.) | Jacket Thickness (in.) | Overall Diameter (in.) | Approx. Net Wt. (Lbs/Mft) |
|----------------------|----------|-----------------|-------------------|----------------------------|------------------------|------------------------|---------------------------|
| CW05101 | 22 | 2 | 7 | .015" | .042" | .32" | 42 |
| CW05102 | 22 | 3 | 7 | .015" | .042" | .34" | 54 |
| CW05103 | 22 | 4 | 7 | .015" | .042" | .37" | 66 |
| CW05104 | 22 | 6 | 7 | .015" | .053" | .46" | 101 |
| CW05105 | 22 | 9 | 7 | .015" | .053" | .52" | 143 |
| CW05106 | 22 | 11 | 7 | .015" | .053" | .56" | 165 |
| CW05107 | 22 | 19 | 7 | .015" | .063" | .69" | 270 |
| CW05108 | 22 | 51 | 7 | .015" | .075" | 1.05" | 520 |
| CW05109 | 18 | 2 | 16 | .015" | .042" | .38" | 71 |
| CW05110 | 18 | 3 | 16 | .015" | .053" | .43" | 102 |
| CW05111 | 18 | 4 | 16 | .015" | .053" | .49" | 126 |
| CW05112 | 18 | 6 | 16 | .015" | .053" | .56" | 181 |
| CW05113 | 18 | 9 | 16 | .015" | .063" | .65" | 239 |
| CW05114 | 18 | 11 | 16 | .015" | .063" | .73" | 312 |
| CW05115 | 18 | 15 | 16 | .015" | .063" | .81" | 409 |

APPLICATION:

Instrumentation and Control Circuits rated 300volts or less. Per NEC Article 725, approved for installation in

- 1) Cable trays indoors and outdoors,
- 2) raceways,
- 3) supported by a messenger wire,
- 4) CL2 and CL3 applications,
- 5) hazardous locations per NEC Article 501 Class 1 Division 2, and
- 6) Cable trays in hazardous locations per NEC Article 502 Class 2 Division 2.

STANDARDS:

UL Subject 13.
Passes UL and IEEE383 70,000BTU Flame Test.
NEC Article 725 Class 2 and Class 3 Circuits.