



*“Taking Care of Business”*

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## INSTRUMENT CABLE - SHIELDED 300VOLTS 105DEG C SINGLE PAIR OR TRIAD - BARE COPPER TYPE PLTC , TYPE ITC, DIRECT BURIAL, SUNLIGHT RESISTANT

### CONSTRUCTION:

**CONDUCTOR** 7 STRANDED BARE COPPER.

**INSULATION** FLAME RETARDANT PVC (COLOR CODE FOR A PAIR IS BLACK - WHITE; COLOR CODE FOR TRIAD IS BLACK - WHITE - RED).

**ASSEMBLY** INSULATED CONDUCTORS TWISTED TOGETHER INTO A PAIR (2/C) OR TRIAD (3/C) WITH ALUMINUM/MYLAR TAPE SHIELD AND STRANDED TINNED COPPER DRAIN WIRE TO PROVIDE 100% SHIELDING COVERAGE.

**JACKET** SUNLIGHT AND MOISTURE RESISTANT, FLAME RETARDANT BLACK PVC.

Charlotte Wire Part# *	Number of Conductors	Size AWG	Number of Strands	Insulation Thickness (in.)	Jacket Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW05026	2	20	7	.015"	.035"	.21"	26
CW05027	3	20	7	.015"	.035"	.22"	33
CW05028	2	18	7	.015"	.035"	.23"	30
CW05029	3	18	7	.015"	.035"	.24"	41
CW05030	2	16	7	.015"	.035"	.26"	40
CW05031	3	16	7	.015"	.035"	.28"	53

\*To specify "ER" rating (3/c cables only), add suffix "-ER" to Charlotte Wire Part#.

### APPLICATION:

Instrumentation and Control Circuits rated 300volts or less. Cable is sunlight resistant and approved for direct burial.

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 for Type PLTC Cables.

UL Subject 2250 for Type ITC Cables.

Passes UL and IEEE383 70,000BTU Flame Test.

NEC Article 725: Class 2 and Class 3 Circuits.

NEC Article 727: Instrumentation Tray Cable.