



“Taking Care of Business”

toll free: 800-929-9473

INSTRUMENT CABLE - OVERALL SHIELD #16AWG NONSHIELDED PAIRS OR TRIADS (POS & TOS) TYPE PLTC, 105DEG C, 300VOLTS

CONSTRUCTION:

CONDUCTOR 7 STRANDED BARE COPPER.

INSULATION FLAME RETARDANT PVC.

COLOR CODE PAIRS ARE CODED BLACK AND WHITE; TRIADS ARE CODED BLACK, WHITE, AND RED. ONE CONDUCTOR IN EACH PAIR OR TRIAD IS ALSO NUMBERED FOR EASE OF IDENTIFICATION.

ASSEMBLY INSULATED CONDUCTORS TWISTED INTO PAIRS OR TRIADS WITH AN APPROXIMATE 2" LAY OF TWIST TO REDUCE CROSTALK. TWISTED PAIRS OR TRIADS INDIVIDUALLY SHIELDED 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#	Size AWG	Number of Pairs	Number of Triads	Insulation Thickness (in.)	Jacket Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW05196	16	2		.015"	.050"	.36"	79
CW05197	16	3		.015"	.050"	.42"	115
CW05198	16	4		.015"	.050"	.48"	140
CW05199	16	8		.015"	.050"	.61"	248
CW05200	16	12		.015"	.060"	.75"	350
CW05201	16	16		.015"	.060"	.84"	455
CW05202	16	24		.015"	.070"	1.03"	655
CW05203	16	36		.015"	.070"	1.20"	950
CW05204	16	50		.015"	.080"	1.45"	1308
CW05205	16		2	.015"	.050"	.47"	115
CW05206	16		4	.015"	.050"	.56"	200
CW05207	16		8	.015"	.060"	.74"	365
CW05210	16		12	.015"	.060"	.87"	510
CW05208	16		16	.015"	.070"	1.02"	660
CW05209	16		24	.015"	.070"	1.19"	950

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.