

INSTRUMENT CABLE #16AWG (SPOS & STOS) SHIELDED PAIRS OR TRIADS WITH OVERALL SHIELD 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.

PAIRS/TRIADS INSULATED CONDUCTORS TWISTED INTO PAIRS OR TRIADS WITH AN APPROXIMATE 2" LAY OF TWIST TO REDUCE CROSSTALK. TWISTED PAIRS OR TRIADS INDIVIDUALLY SHIELDED WITH ALUMINUM/MYLAR TAPE SHIELD AND STRANDED TINNED COPPER DRAIN WIRE.

OVERALL SHIELD TAPE SHIELD AND STRANDED TINNED COPPER DRAIN WIRE. 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)
CW05216	16	2		.015"	.050"	.38"	85
CW05217	16	4		.015"	.050"	.52"	156
CW05218	16	8		.015"	.060"	.69"	295
CW05219	16	12		.015"	.060"	.78"	426
CW05220	16	16		.015"	.070"	.94"	585
CW05221	16	24		.015"	.070"	1.16"	842
CW05222	16	36		.015"	.080"	1.34"	1230
CW05223	16	50		.015"	.080"	1.55"	1690
CW05224	16		2	.015"	.050"	.47"	132
CW05225	16		4	.015"	.050"	.57"	220
CW05226	16		8	.015"	.060"	.78"	400
CW05227	16		12	.015"	.070"	.90"	565
CW05228	16		16	.015"	.070"	1.07"	760
CW05229	16		24	.015"	.080"	1.31"	1120

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.