

INSTRUMENT CABLE #18AWG (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)
CW05177	18	2		.015"	.050"	.36"	66
CW05191	18	3		.015"	.050"	.44"	98
CW05178	18	4		.015"	.050"	.46"	118
CW05179	18	8		.015"	.050"	.59"	210
CW05180	18	12		.015"	.060"	.73"	317
CW05181	18	16		.015"	.060"	.82"	420
CW05182	18	24		.015"	.070"	.99"	614
CW05183	18	36		.015"	.070"	1.15"	870
CW05184	18	50		.015"	.080"	1.40"	1180
CW05185	18		2	.015"	.050"	.44"	95
CW05186	18		4	.015"	.050"	.51"	160
CW05187	18		8	.015"	.060"	.64"	300
CW05188	18		12	.015"	.060"	.85"	418
CW05189	18		16	.015"	.070"	.97"	530
CW05190	18		24	.015"	.070"	1.18"	790

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.