

INSTRUMENT CABLE - OVERALL SHIELD #18AWG 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 ARE TWISTED INTO PAIRS OR TRIADS WITH AN APPROXIMATE 2" STAGGERED LAY OF TWIST TO REDUCE CROSSTALK. TWISTED PAIRS CABLED WITH OVERALL 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)
CW05151	18	2		.015"	.040"	.37"	58
CW05152	18	3		.015"	.050"	.42"	82
CW05153	18	4		.015"	.050"	.45"	102
CW05154	18	8		.015"	.050"	.54"	173
CW05155	18	12		.015"	.060"	.67"	255
CW05156	18	16		.015"	.060"	.75"	324
CW05157	18	24		.015"	.070"	.90"	480
CW05158	18	36		.015"	.070"	1.07"	675
CW05159	18	50		.015"	.080"	1.24"	910
CW05160	18		2	.015"	.050"	.42"	80
CW05161	18		4	.015"	.050"	.46"	144
CW05162	18		8	.015"	.060"	.65"	270
CW05165	18		12	.015"	.060"	.77"	380
CW05163	18		16	.015"	.070"	.89"	460
CW05164	18		24	.015"	.070"	1.09"	690

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.