

INSTRUMENT CABLE #20AWG (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 SHIELDED PAIRS CABLED TOGETHER WITH OVERALL ALUMINUM/MYLAR TAPE SHIELD AND STRANDED TINNED COPPER DRAIN 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)
CW05126	20	2		.015"	.040"	.33"	44
CW05127	20	4		.015"	.050"	.43"	89
CW05141	20	6		.015"	.050"	.50"	140
CW05128	20	8		.015"	.050"	.54"	169
CW05129	20	12		.015"	.060"	.67"	250
CW05130	20	16		.015"	.060"	.75"	310
CW05131	20	20		.015"	.060"	.82"	377
CW05132	20	24		.015"	.070"	.90"	460
CW05133	20	36		.015"	.070"	1.07"	655
CW05134	20	50		.015"	.070"	1.24"	890
CW05135	20		2	.015"	.050"	.41"	80
CW05136	20		4	.015"	.050"	.48"	130
CW05137	20		8	.015"	.050"	.57"	210
CW05138	20		12	.015"	.060"	.71"	310
CW05139	20		16	.015"	.060"	.78"	390
CW05140	20		24	.015"	.070"	.98"	602

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.