

INSTRUMENT CABLE - OVERALL SHIELD #20AWG 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)
CW05051	20	2		.015"	.040"	.28"	42
CW05052	20	4		.015"	.040"	.38"	79
CW05065	20	6		.015"	.050"	.45"	106
CW05053	20	8		.015"	.050"	.49"	127
CW05054	20	12		.015"	.050"	.58"	185
CW05055	20	16		.015"	.060"	.68"	246
CW05056	20	24		.015"	.060"	.78"	340
CW05057	20	36		.015"	.070"	.96"	495
CW05058	20	50		.015"	.070"	1.10"	659
CW05059	20		2	.015"	.040"	.37"	55
CW05060	20		4	.015"	.050"	.45"	108
CW05061	20		8	.015"	.050"	.56"	187
CW05062	20		12	.015"	.060"	.70"	265
CW05063	20		16	.015"	.060"	.77"	334
CW05064	20		24	.015"	.070"	.98"	500

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.