

INSTRUMENT CABLE - #14AWG (SPOS & STOS) SHIELDED PAIRS OR TRIADS WITH OVERALL SHIELD TYPE TC PVC/NYLON INSULATED 90DEG C 600VOLTS

CONSTRUCTION:

CONDUCTOR 7 STRANDED BARE COPPER.

INSULATION POLYVINYL CHLORIDE (PVC) WITH 4 MILS NYLON JACKET TYPE THHN PER UL 83 (GASOLINE AND OIL RESISTANT).

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)
CW05325	14	2		.015"	.050"	.57"	135
CW05326	14	4		.015"	.060"	.66"	260
CW05327	14	6		.015"	.060"	.75"	390
CW05328	14	8		.015"	.080"	.90"	500
CW05329	14	12		.015"	.080"	1.08"	720
CW05330	14	16		.015"	.080"	1.21"	910
CW05331	14	20		.015"	.080"	1.33"	1100
CW05332	14	24		.015"	.080"	1.53"	1350
CW05333	14	36		.015"	.080"	1.70"	1880
CW05334	14	50		.015"	.080"	2.10"	2650
CW05340	14		2	.015"	.050"	.53"	140
CW05341	14		4	.015"	.060"	.75"	277
CW05342	14		8	.015"	.080"	.86"	530
CW05343	14		12	.015"	.080"	1.03"	750
CW05345	14		24	.015"	.080"	1.22"	1390

* To specify "ER" rating, add suffix "ER" to Charlotte Wire Part Number.

APPLICATION:

Control, Signal, or Lighting circuits rated 600Volts. May be used as sunlight resistant, directly buried and wet or dry locations. Per NEC Articles 336 and 392, approved for installation in

- 1) raceways and cable tray systems including ladders, troughs, channels, solid bottom trays, and other similar structures,
- 2) lighting, control, and signal circuits,
- 3) aerial locations where supported by a messenger wire,
- 4) hazardous locations per Art.501 Class 1 Division 2,
- 5) Class 1 circuits as permitted in NEC Article 725.

STANDARDS:

- UL Standard 1277 for Type TC Cables.
- Passes UL and IEEE383 70,000BTU Flame Test.
- UL Standard 83 for THHN Conductors.
- NEC Articles 336 and 392 for Tray Cable uses and constructions.
- TC-ER rated cables comply with crush and impact requirements of MC cable.