

### FLEXIBLE TC-ER CONTROL CABLE #16AWG - SUNLIGHT RESISTANT, DIRECT BURIAL UL TC-ER, MTW, 600VOLTS, WTTC 1000VOLTS, CSA CIC/TC

**CONSTRUCTION:**

**CONDUCTOR** FLEXIBLE FINE STRANDED BARE COPPER.

**INSULATION** POLYVINYLCHLORIDE (PVC) WITH NYLON SHEATH.

**COLOR CODE** BLACK CONDUCTORS WITH CONSECUTIVE WHITE NUMBERING, PLUS ONE GREEN/YELLOW STRIPED GROUND (INCLUDED IN TOTAL CONDUCTOR COUNT).

**JACKET** OIL RESISTANT BLACK POLYVINYL CHLORIDE (PVC). \*

Charlotte Wire Part#	Size AWG	Number of Conductors	Overall Diameter		Net Weight	
			in.	mm	Lbs/Mft	Kg/Km
CW13642	16	3	.33"	8.4	68	46
CW13643	16	4	.35"	8.9	80	54
CW13644	16	5	.38"	9.7	99	67
CW13645	16	6	.40"	10.2	115	77
CW13646	16	7	.41"	10.4	126	85
CW13647	16	8	.44"	11.2	148	99
CW13648	16	9	.48"	12.2	173	116
CW13649	16	10	.50"	12.7	188	126
CW13650	16	12	.54"	13.7	204	137
CW13651	16	16	.64"	16.3	272	183
CW13652	16	18	.65"	16.5	295	198
CW13653	16	19	.69"	17.5	305	205
CW13654	16	20	.70"	17.8	323	217
CW13655	16	25	.75"	19.1	395	265
CW13656	16	27	.79"	20.1	425	285
CW13657	16	34	.91"	23.1	545	366
CW13658	16	37	.92"	23.4	585	392
CW13659	16	41	.99"	25.2	630	423
CW13660	16	50	1.05"	26.7	770	517
CW13661	16	61	1.09"	27.7	950	637

\*To specify gray jacket, add suffix to "-GY" to Charlotte Wire Part Number.

**APPLICATION:**

Suitable as a flexible control cable in a variety of uses such as assembly lines, control panels and systems, machine tools, automation equipment, and material handling equipment. Specially formulated PVC jacket is oil resistant, and allows for use in dry and wet locations. WTTC rating allows for use in wind power generation applications.

**STANDARDS:**

UL 1277 for TC-ER cable.  
 UL 1063 for Type MTW.  
 UL 2277 for WTTC 90Deg C, 1000Volts.  
 C(UL) Type CIC/TC FT4 90Deg C, 600Volts.  
 RoHS compliant.  
 NEC Articles 336 &392 for Tray Cable uses and constructions.