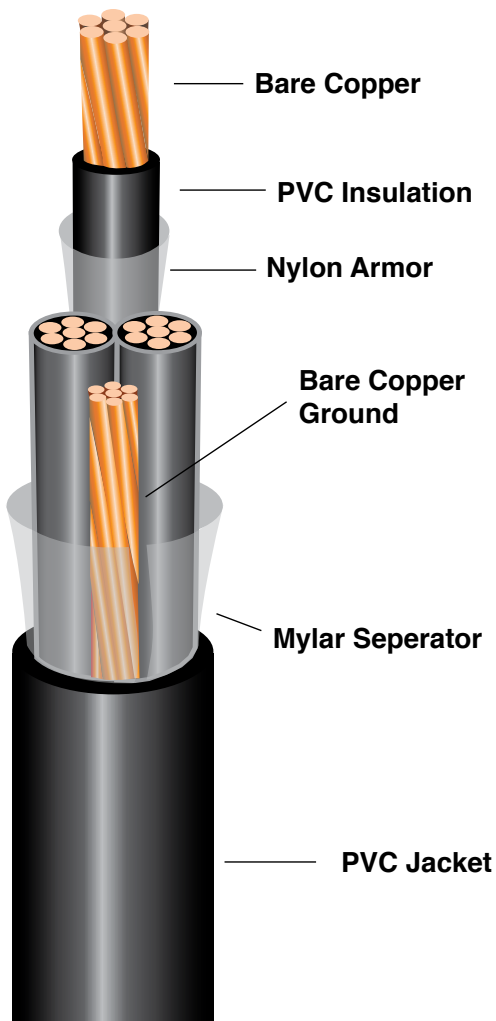


TYPE TC-ER - CONTROL & POWER TRAY CABLE

PVC/Nylon Insulation with Overall PVC Jacket
8 AWG - 500 MCM • 600 Volts • 90°C Dry/Wet



CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE, INC. XX AWG
 XX TYPE THHN CDRS W/ GRND (UL) TYPE TC
 OR TC-ER-JP 90C SUN RES DIR BUR 600V
 FT4/IEEE1202 E195597 MADE IN USA"



DESCRIPTION

ADC's Type TC-ER cables constructed in two, three or four conductors have a PVC/Nylon insulation with an overall gas and oil resistant PVC jacket.

APPLICATIONS

Suitable for use in Class 1 or 2, Division 2 hazardous locations and for installation in trays, wireways, troughs, channels, ducts and conduit. Expressly approved for direct burial, wet or dry locations and outdoors in cable trays where sunlight resistant rating is required. Intended to supply power motors or for connection to other power devices.

CONSTRUCTION

Conductors: Soft Drawn Annealed Bare Copper per ASTM B-3 and B-8.

Insulation: PVC Thickness: Per UL 83 table 10 for THHN/THWN.

Conductor Jacket: Nylon Thickness: Per UL 83 table 13 for THHN/THWN.

Grounding Conductor: Concentric Stranded Bare Copper

*Insulated Ground Available Upon Request

Cabling: Two or more conductors are assembled with fillers in the core as needed. Two conductors are assembled flat parallel or round with fillers as needed.

Separator: Mylar

Overall Jacket: A black, flame resistant, Polyvinyl Chloride (PVC) jacket is extruded over the assembly. A rip cord shall be inserted under the jacket for ease of stripping.

Color Code: ICEA Method 1, Table E-2. ICEA Method 1 Tables E-1, E-3 & Method 4.

INDUSTRY LISTINGS & STANDARDS

UL Listed as TC-ER-JP per UL Standard 1277*

Rated -39°C to 90°C

OSHA Acceptable

NEC Articles 392 & 336

CSA FT4

IEEE 1202 70,000 BTU Flame Test

ASTM - All Applicable Standards



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PVC/Nylon Insulation with Overall PVC Jacket
8 AWG - 500 MCM • 600 Volts • 90°C Dry/Wet

Cable Data						
8 AWG - 500 MCM						
Size AWG	Part Number	Number of Conductors	Ground Size AWG	Overall Jacket Thickness (Mils)	Approximate O.D. (IN)	Approximate Weight Lbs./M Ft.
8	60803	3	-	60	.588	248
	60803B	3	10		.588	280
	60804	4	-		.642	318
	60804B	4	10		.642	349
6	60603	3	-	60	.669	355
	60603B	3	8		.669	405
	60604	4	-		.729	456
	60604B	4	8		.729	506
4	60403	3	-	80	.862	580
	60403B	3	8		.862	629
	60404	4	-		.939	745
	60404B	4	8		.939	794
2	60203	3	-	80	.990	844
	60203B	3	6		.990	922
	60204	4	-		1.081	1093
	60204B	4	6		1.081	1171
1	60103	3	-	80	1.125	1068
	60103B	3	6		1.125	1147
	60104	4	-		1.231	1388
	60104B	4	6		1.231	1466
1/0	601003	3	-	80	1.196	1275
	601003B	3	6		1.196	1353
	601004	4	-		1.310	1660
	601004B	4	6		1.310	1738
2/0	602003	3	-	80	1.291	1553
	602003B	3	6		1.291	1631
	602004	4	-		1.416	2027
	602004B	4	6		1.416	2105
3/0	603003	3	-	80	1.399	1896
	603003B	3	4		1.399	2022
	603004	4	-		1.536	2480
	603004B	4	4		1.536	2605
4/0	604003	3	-	80	1.520	2351
	604003B	3	4	80	1.520	2477
	604004	4	-	110	1.730	3178
	604004B	4	4	110	1.730	3303
250	6025003	3	-	110	1.727	2898
	6025003B	3	4		1.727	3024
	6025004	4	-		1.894	3786
	6025004B	4	4		1.894	3911
300	6030003	3	-	110	1.829	3418
	6030003B	3	3		1.829	3577
	6030004	4	-		2.006	4476
	6030004B	4	3		2.006	4635
350	6035003	3	-	110	1.950	3875
	6035003B	3	3		1.950	4033
	6035004	4	-		2.141	5086
	6035004B	4	3		2.141	5245
400	6040003	3	-	110	2.047	4397
	6040003B	3	3		2.047	4556
	6040004	4	-		2.249	5781
	6040004B	4	3		2.249	5940
500	6050003	3	-	110	2.226	5364
	6050003B	3	2		2.226	5563
	6050004	4	-		2.448	7066
	6050004B	4	2		2.448	7265

CONTROL & POWER TRAY CABLE



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