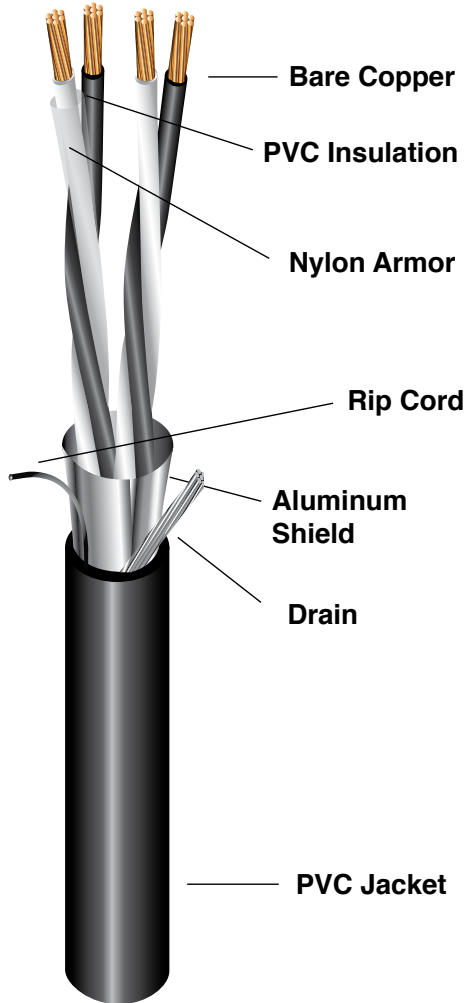


## TYPE TC-ER - INSTRUMENTATION TRAY CABLE

Pairs with Overall Shield PVC/Nylon Insulation with Overall PVC Jacket  
**18 - 16 AWG • 600 Volts • 90°C Dry/Wet**



### CABLE IDENTIFICATION

“ADVANCED DIGITAL CABLE INC. XX  
 AWG X TYPE TFN PAIRS WITH OVERALL  
 SHIELD (UL) TYPE TC OR TC-ER-JP 90C  
 SUN RES DIR BUR 600V FT4/IEEE1202  
 E195597 MADE IN THE USA”



### DESCRIPTION

ADC's Type TC-ER pairs with an overall shield 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.

### CONSTRUCTION

**Conductors:** Soft Drawn Annealed Bare Copper per ASTM B-3 and B-8. Concentric 7 strand. Concentric 19 strand available upon request as well as Tinned Copper.

**Insulation: PVC** Thickness: Per UL 66 Table 4.7

**Conductor Jacket: Nylon** Thickness: Per UL 66 paragraph 9.1

**Cabling:** Pairs are cabled with a staggered lay and cabled together

**Overall Shield:** Aluminum mylar tape providing 100% coverage with a flexible stranded tinned copper drain wire.

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

**Color Code:** Method 1 - Black and White (White conductor in each pair printed alphanumerically for easy identification)

### 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

\*UL 1277 requires a ground or three conductors to be ER



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Conductor Data				
Size AWG	Stranding	PVC Insulation Thickness (Mils)	Nylon Armor (Mils)	Approximate O.D. (Inches)
18	7	15	5	.088
16	7	15	5	.097

Cable Data									
18 AWG					16 AWG				
No. of Pairs	Part Number	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	No. of Pairs.	Part Number	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.
1	<b>6801POS</b>	45	.265	35	1	<b>6601POS</b>	45	.290	45
2	<b>6802POS</b>	45	.310	54	2	<b>6602POS</b>	45	.330	70
3	<b>6803POS</b>	45	.407	77	3	<b>6603POS</b>	45	.360	95
4	<b>6804POS</b>	45	.488	99	4	<b>6604POS</b>	60	.573	147
6	<b>6806POS</b>	60	.550	146	6	<b>6606POS</b>	60	.610	195
8	<b>6808POS</b>	60	.651	188	8	<b>6608POS</b>	60	.730	252
12	<b>6812POS</b>	60	.770	261	12	<b>6612POS</b>	80	.910	387
16	<b>6816POS</b>	80	.914	364	16	<b>6616POS</b>	80	1.020	491