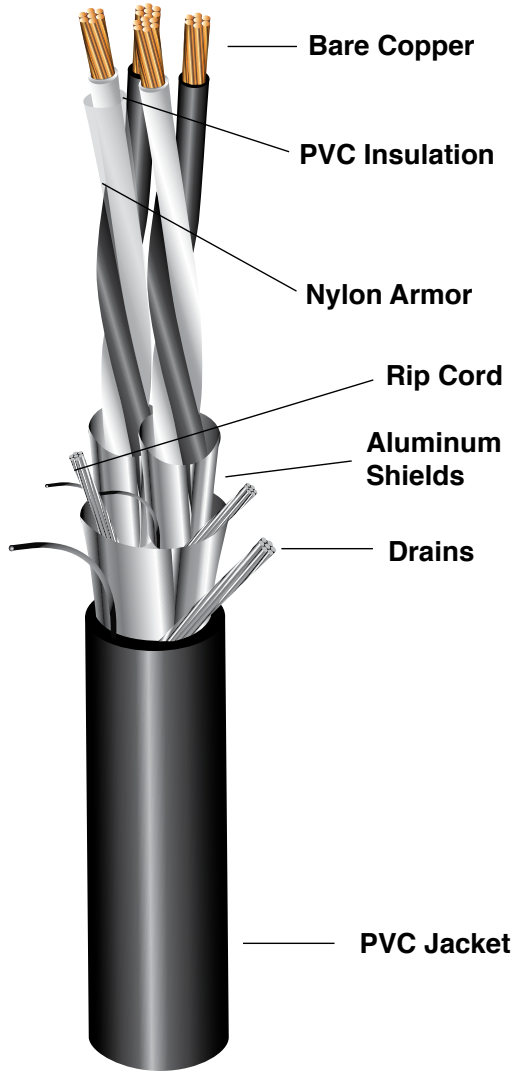


## TYPE TC-ER - INSTRUMENTATION TRAY CABLE

Shielded 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 XX TYPE TFN SPOS (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 shielded 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 stagger lays and wrapped with foil free edge aluminum mylar tape with a flexible tinned copper drain wire.

**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



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Conductor Data				
Size AWG	Stranding	PVC Insulation Thickness (Mils)	Nylon Armor (Mils)	Approximate O.D. (Inches)
18	7	15	5	.086
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.
2	<b>6802SPOS</b>	45	.305	57	2	<b>6602SPOS</b>	45	.345	76
3	<b>6803SPOS</b>	45	.453	80	3	<b>6603SPOS</b>	45	.367	102
4	<b>6804SPOS</b>	45	.497	99	4	<b>6604SPOS</b>	60	.580	158
6	<b>6806SPOS</b>	60	.561	163	6	<b>6606SPOS</b>	60	.620	212
8	<b>6808SPOS</b>	60	.666	211	8	<b>6608SPOS</b>	60	.740	275
12	<b>6812SPOS</b>	60	.790	294	12	<b>6612SPOS</b>	80	.916	421
16	<b>6816SPOS</b>	80	.929	411	16	<b>6616SPOS</b>	80	1.034	537

INSTRUMENTATION TRAY CABLE

