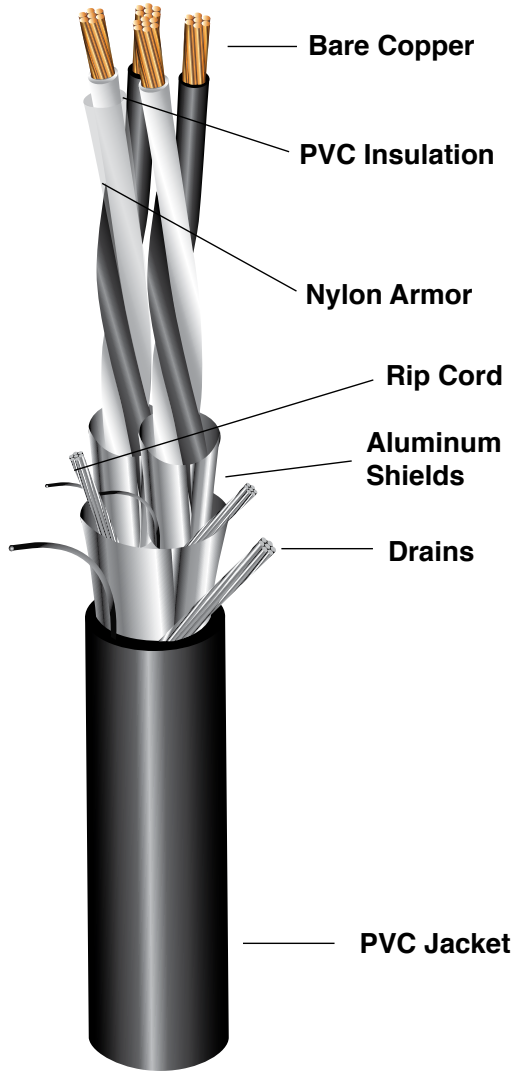


TYPE TC-ER - INSTRUMENTATION TRAY CABLE

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 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 per UL Standard 1277
 Rated -40°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	6802SPOS	45	.305	57	2	6602SPOS	45	.345	76
3	6803SPOS	45	.453	80	3	6603SPOS	45	.367	102
4	6804SPOS	45	.497	99	4	6604SPOS	60	.580	158
6	6806SPOS	60	.561	163	6	6606SPOS	60	.620	212
8	6808SPOS	60	.666	211	8	6608SPOS	60	.740	275
12	6812SPOS	60	.790	294	12	6612SPOS	80	.916	421
16	6816SPOS	80	.929	411	16	6616SPOS	80	1.034	537

INSTRUMENTATION TRAY CABLE

