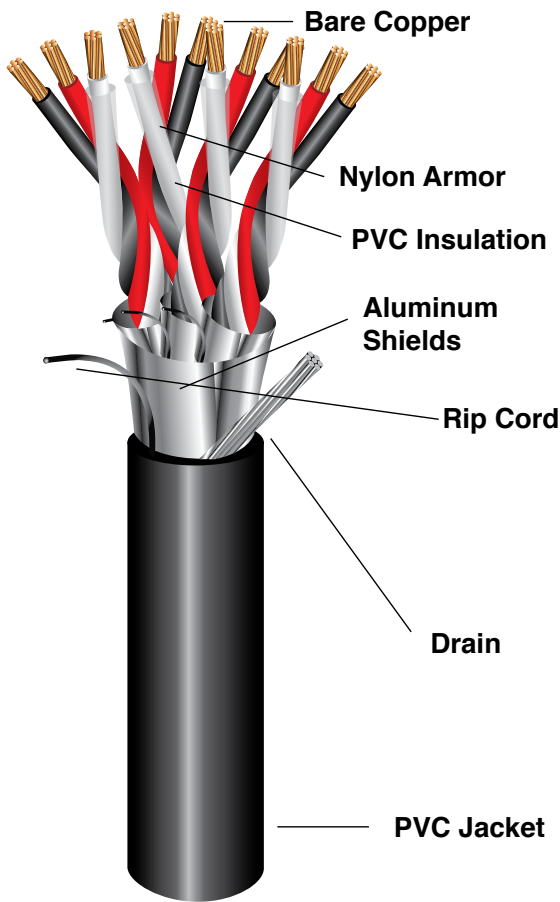


TYPE TC-ER - INSTRUMENTATION TRAY CABLE

Shielded Triads 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 STOS (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 for TFN.

Conductor Jacket: Nylon Thickness: Per UL 66 paragraph 9.1 for TFN.

Cabling: Triads are cabled with staggered lays and wrapped with a foil free edge aluminum mylar tape. A stranded tinned copper drain wire is under each tape.

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, White and Red (White conductor in each triad 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



The information contained on this specification is intended to be used a guide in product selection and is believed to be reliable.

ADC has made every effort to ensure the data shown above is accurate at the time of publication. This specification is subject to change anytime without notice. Rev IC0221

PHONE: (800) 343 2579 • FAX: (828) 389 3922 • WWW.ADCABLE.COM

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18 - 16 AWG • 600 Volts • 90°C Dry/Wet

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	.098

Cable Data

18 AWG					16 AWG				
No. of Triads	Part Number	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	No. of Triads	Part Number	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.
1	6801TOS	45	.279	45	1	6601TOS	45	.307	57
4	6804STOS	60	.557	157	4	6604STOS	60	.623	207
8	6808STOS	60	.707	275	8	6608STOS	60	.795	368
12	6812STOS	80	.862	419	12	6612STOS	80	.984	561