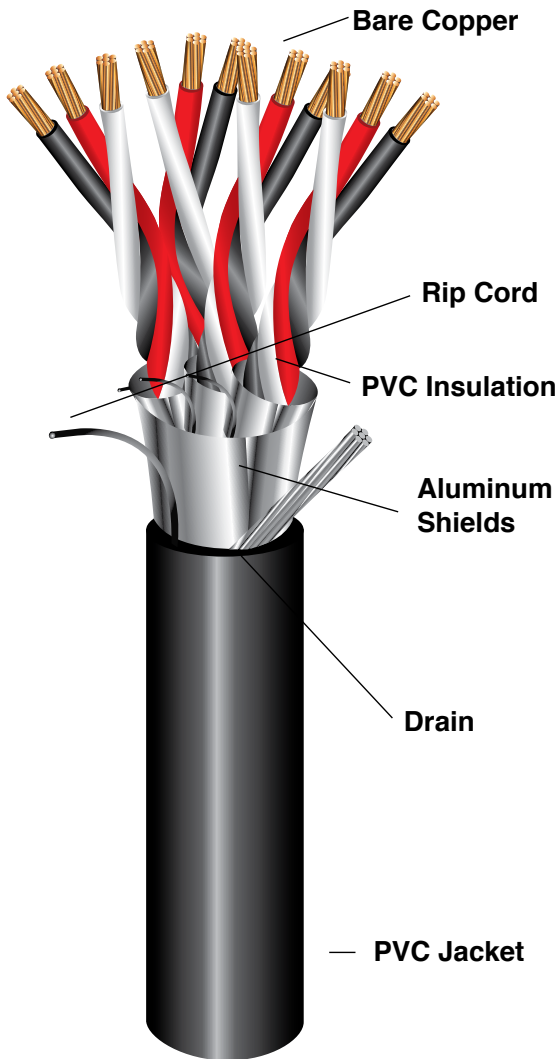


TYPE PLTC/ITC-ER - INSTRUMENTATION TRAY CABLE

Shielded Triads with Overall Shield PVC Insulation with Overall PVC Jacket
20 - 16 AWG • 300 Volts • 105°C



CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE INC. XX
 AWG X TRIAD STOS (UL) TYPE PLTC/ITC-
 ER 105C 300V E179334 SUN RES DIR
 BUR FT4 IEEE1202"



DESCRIPTION

ADC's Type PLTC/ITC-ER shielded triads with an overall shield have a PVC insulation with an overall sunlight resistant PVC jacket.

APPLICATIONS

Class 1 Division 2 Industrial Hazardous Locations. For use in cable tray, raceway and conduit. For use with audio, intercom, control, energy management, and alarm circuits. For use where sunlight resistance is required.

CONSTRUCTION

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

Insulation: Thickness: Per UL 13 Table 7.3

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 PLTC/ITC per UL Standard 13 and 2250
 Rated -25°C to 105°C
 Direct Burial
 OSHA Acceptable
 NEC Article 725
 CSA FT4
 IEEE1202 70,000 BTU Flame Test
 ASTM - All Applicable Standards



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Conductor Data			
Size AWG	Stranding	PVC Insulation Thickness (Mils)	Approximate O.D. (Inches)
20	7	15	.068
18	7	15	.076
16	7	15	.087

Cable Data														
20 AWG					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.	No. of Triads	Part Number	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.
2	12002STOS	40	.372	61	2	18002STOS	50	.422	87	2	16002STOS	50	.472	114
4	12004STOS	50	.449	104	4	18004STOS	50	.486	138	4	16004STOS	50	.559	189
8	12008STOS	50	.567	176	8	18008STOS	60	.642	253	8	16008STOS	60	.719	353
12	12012STOS	60	.690	260	12	18012STOS	60	.758	356	12	16012STOS	60	.840	504

INSTRUMENTATION TRAY CABLE

