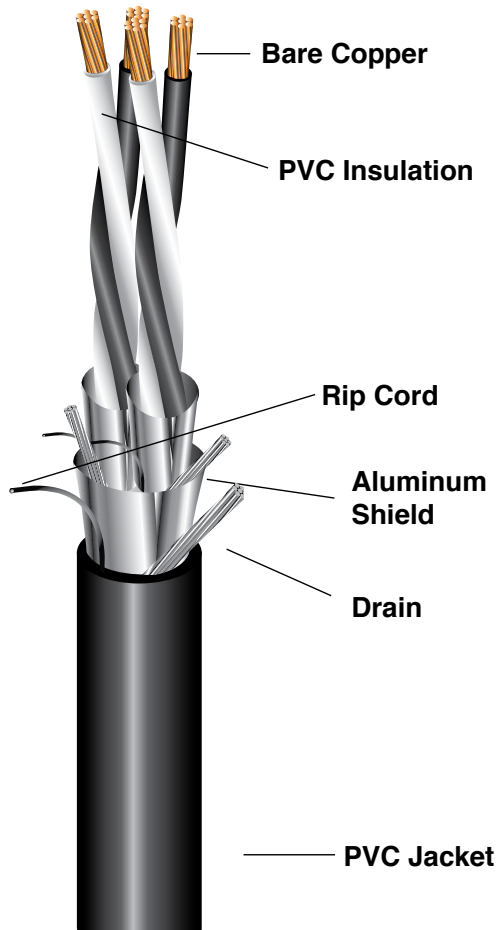


TYPE PLTC/ITC-ER - INSTRUMENTATION TRAY CABLE

Shielded Pairs 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 PR SPOS (UL) TYPE PLTC/ITC-ER
 105C 300V E179334 SUN RES DIR BUR
 FT4 IEEE1202”



DESCRIPTION

ADC's Type PLTC/ITC-ER shielded pairs with an overall shield have 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: PVC Thickness: Per UL 13 Table 7.3

Cabling: Pairs are cabled with staggered lays and wrapped with a foil free edge aluminum mylar tape. A stranded tinned copper drain wire is pulled in 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 and White (White conductor in each pair 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
 ICEA S-73-532



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 IC1115

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TYPE PLTC/ITC-ER - INSTRUMENTATION TRAY CABLE

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

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 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.	No. of Pairs.	Part Number	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.
	12002SPOS	35	.253	39	2	18002SPOS	40	.362	61	2	16002SPOS	35	.305	66
4	12004SPOS	50	.422	82	4	18004SPOS	50	.465	106	4	16004SPOS	50	.515	137
8	12008SPOS	50	.532	139	8	18008SPOS	50	.590	184	8	16008SPOS	60	.680	254
12	12012SPOS	60	.648	206	12	18012SPOS	60	.718	272	12	16012SPOS	60	.800	359
16	12016SPOS	60	.732	262	16	18016SPOS	60	.810	347	16	16016SPOS	70	.922	479