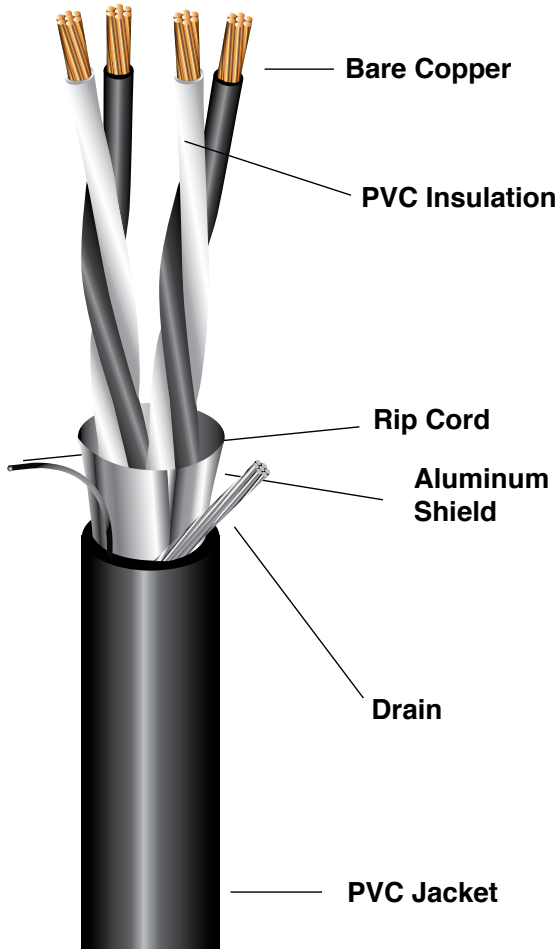


TYPE PLTC/ITC-ER - INSTRUMENTATION TRAY CABLE

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



DESCRIPTION

ADC's Type PLTC/ITC-ER pairs 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: PVC Thickness: Per UL 13 Table 7.3

Cabling: Pairs are cabled with staggered lays.

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



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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 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.
1	12001POS	35	.210	23	1	18001POS	35	.225	28	1	16001POS	35	.250	37
2	12002POS	35	.253	35	2	18002POS	40	.349	52	2	16002POS	40	.313	60
4	12004POS	50	.422	77	4	18004POS	50	.460	97	4	16004POS	50	.509	127
8	12008POS	50	.530	127	8	18008POS	50	.575	162	8	16008POS	60	.680	233
12	12012POS	60	.640	189	12	18012POS	60	.710	245	12	16012POS	60	.716	328
16	12016POS	60	.732	235	16	18016POS	60	.810	304	16	16016POS	70	.922	438