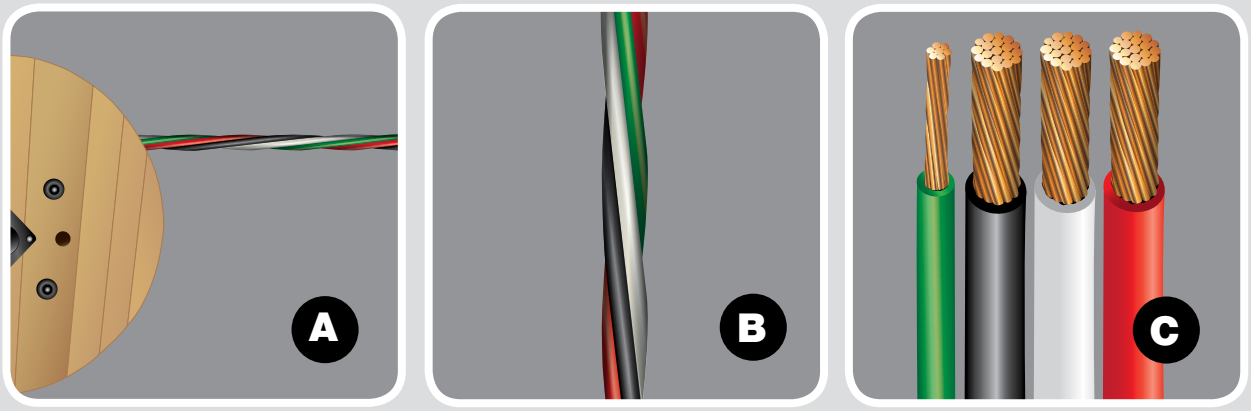
PowerPlex™

A New TWIST on Power

Avoid the costly set-up of multiple reels and the tangled mess of a paralleled reel. Make your next pull easier, faster with less tension and stress. Get PowerPlex™!

- Powerplex™ has been designed to eliminate the need for Paralleled Reels or Multiple Reel Setups on a wire pull.
- ADC offers PowerPlex™ with XHHW-2 or RHH, RHW, USE-2, THHN and THW Power Cables in multiple gauge sizes and multiple conductor configurations.
- PowerPlex™ cables can be run on custom lengths at the factory to meet your cable pull requirements and reduce costly scrap.
- With ADC's fast and dependable manufacturing lead times we can deliver promptly to the project wherever it is located, eliminating the need for costly inventory.

The PowerPlex™ Advantage



A. One-Reel Delivery System: All your cables are twisted together on one reel resulting in less set-up time at the job, reduced scrap and a more uniform cable for ease of pulling.

B. Reduced Pulling Tension: PowerPlex™ cables are constructed with an equal and consistent twist which gives an overall uniformed diameter reducing the surface friction within the conduit which results in lower pulling tensions.

C. Colored Cables: PowerPlex™ contains solid colored cables making it easy and safer to identify the phases and eliminating the need for phase tape to identify the conductors.

Advanced Digital Cable, Inc. • 94 Eagle Fork Road • Hayesville, NC 28904 • Phone: 800-343-2579 • Fax: 828-389-3922 • www.adcable.com

TABLE OF CONTENTS

TRAY CABLE

Instrumentation Tray Cable

Control and Power Tray Cable

Specialty Control Cable

BUILDING WIRE

Building Wire

Canadian

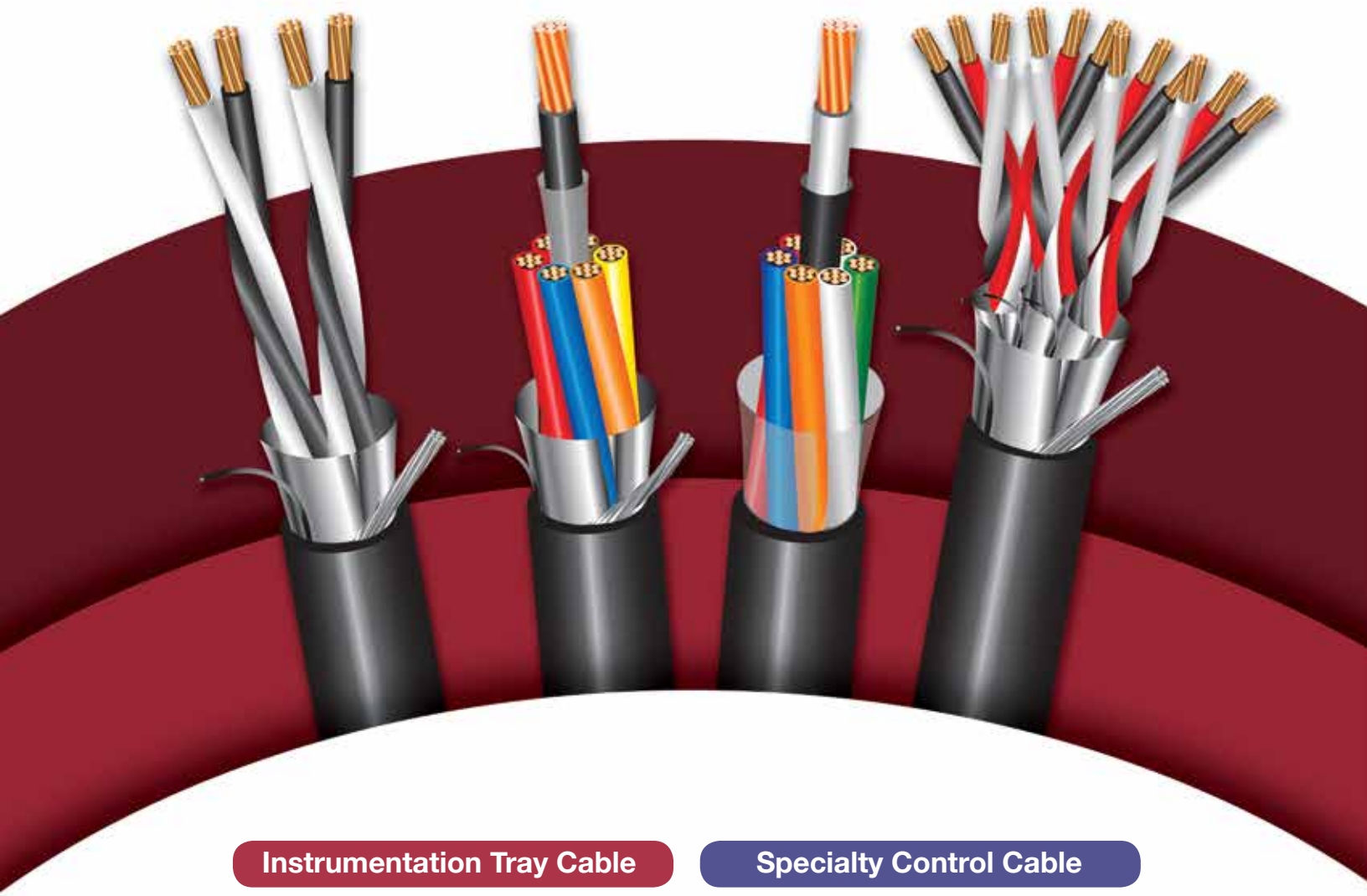
SPECIALTY WIRE

Miscellaneous Wire

ADC

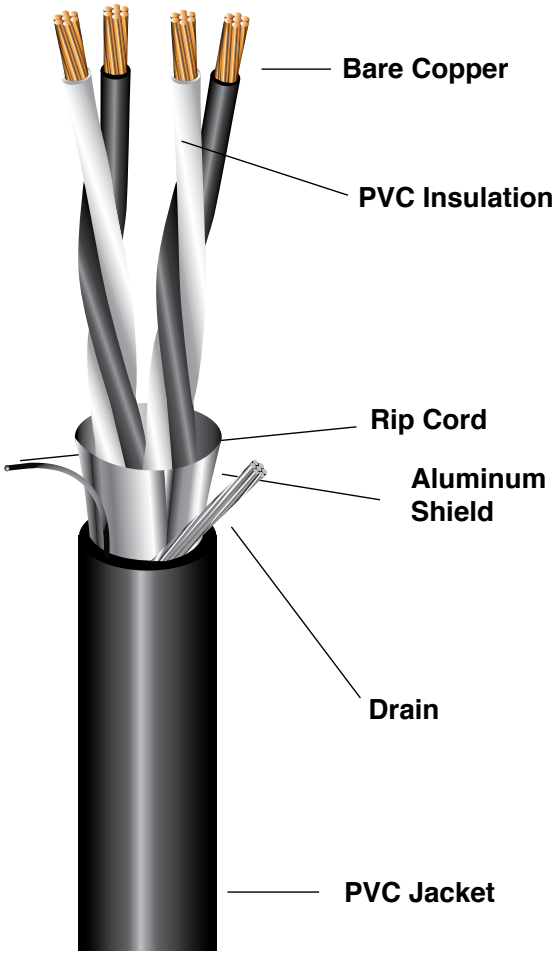
ADVANCED DIGITAL CABLE INC.

TRAY CABLE



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"

MADE IN THE USA

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

RoHS COMPLIANT

UL LISTED

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

TYPE PLTC/ITC-ER - INSTRUMENTATION TRAY CABLE

Pairs with Overall Shield PVC Insulation with Overall PVC Jacket

20 - 16 AWG • 300 Volts • 105°C

Conductor Data

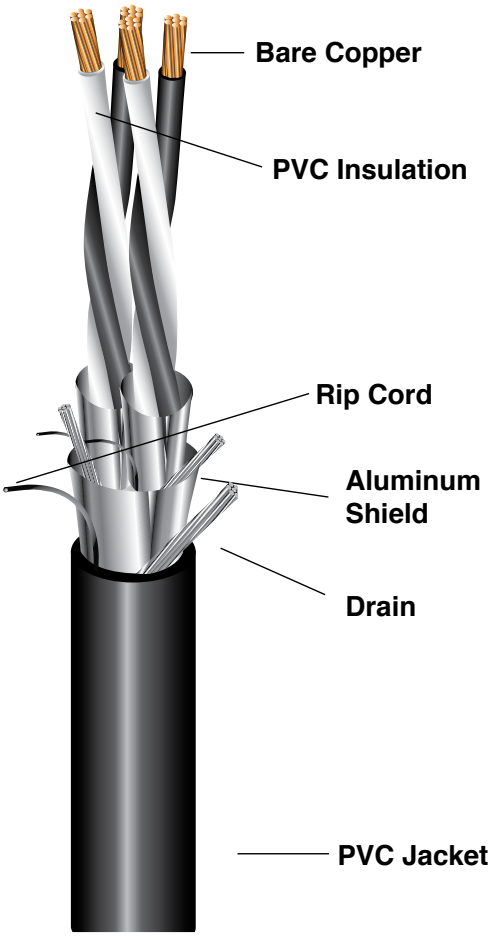
Size AWG	Stranding	PVC Insulation Thickness (Mils)	Approximate O.D. (Inches)
20	7	15	.068
18	7	15	.076
16	7	15	.087

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.
1	**12001P0S**	35	.210	23	1	**18001P0S**	35	.225	28	1	**16001P0S**	35	.250	37
2	**12002P0S**	35	.253	35	2	**18002P0S**	40	.349	52	2	**16002P0S**	40	.313	60
4	**12004P0S**	50	.422	77	4	**18004P0S**	50	.460	97	4	**16004P0S**	50	.509	127
8	**12008P0S**	50	.530	127	8	**18008P0S**	50	.575	162	8	**16008P0S**	60	.680	233
12	**12012P0S**	60	.640	189	12	**18012P0S**	60	.710	245	12	**16012P0S**	60	.716	328
16	**12016P0S**	60	.732	235	16	**18016P0S**	60	.810	304	16	**16016P0S**	70	.922	438

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"

MADE IN THE USA

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

RoHS COMPLIANT

UL LISTED

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

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

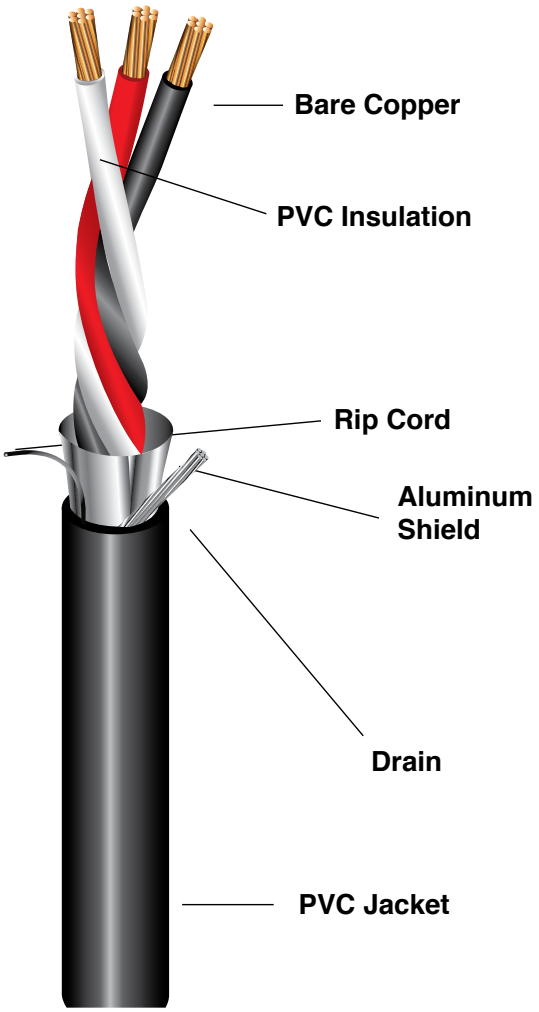
Size AWG	Stranding	PVC Insulation Thickness (Mils)	Approximate O.D. (Inches)
20	7	15	.068
18	7	15	.076
16	7	15	.087

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.
	12002SP0S	35	.253	39	2	**18002SP0S**	40	.362	61	2	**16002SP0S**	35	.305	66
4	**12004SP0S**	50	.422	82	4	**18004SP0S**	50	.465	106	4	**16004SP0S**	50	.515	137
8	**12008SP0S**	50	.532	139	8	**18008SP0S**	50	.590	184	8	**16008SP0S**	60	.680	254
12	**12012SP0S**	60	.648	206	12	**18012SP0S**	60	.718	272	12	**16012SP0S**	60	.800	359
16	**12016SP0S**	60	.732	262	16	**18016SP0S**	60	.810	347	16	**16016SP0S**	70	.922	479

TYPE PLTC/ITC-ER - INSTRUMENTATION TRAY CABLE

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

MADE IN THE USA

DESCRIPTION

ADC's Type PLTC/ITC-ER triads with an overall shield have a PVC insulation, aluminum tape shield with drain wire and 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: Triads are cabled with staggered lay.

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

RoHS COMPLIANT

UL LISTED

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

TYPE PLTC/ITC-ER - INSTRUMENTATION TRAY CABLE

Triads with Overall Shield PVC Insulation with Overall PVC Jacket

20 - 16 AWG • 300 Volts • 105°C

Conductor Data

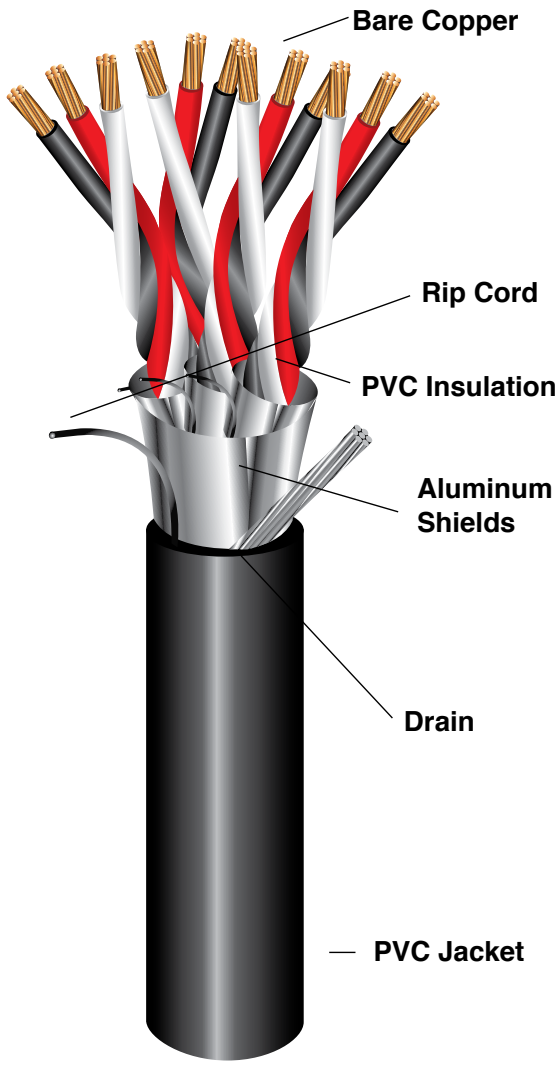
Size AWG	Stranding	PVC Insulation Thickness (Mils)	Approximate O.D. (Inches)
20	7	15	.068
18	7	15	.076
16	7	15	.087

Cable Data

20 AWG					18 AWG					16 AWG				
No. of 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.
1	**12001T0S**	35	.221	33	1	**18001T0S**	35	.238	39	1	**16001T0S**	35	.261	51
2	**12002T0S**	40	.360	61	2	**18002T0S**	50	.420	82	2	**16002T0S**	50	.463	107
4	**12004T0S**	50	.445	105	4	**18004T0S**	50	.490	130	4	**16004T0S**	50	.540	175
8	**12008T0S**	50	.560	176	8	**18008T0S**	60	.642	237	8	**16008T0S**	60	.715	325
12	**12012T0S**	60	.685	260	12	**18012T0S**	60	.759	333	12	**16012T0S**	60	.842	462

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"

MADE IN THE USA

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

RoHS COMPLIANT

UL LISTED

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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

Conductor Data

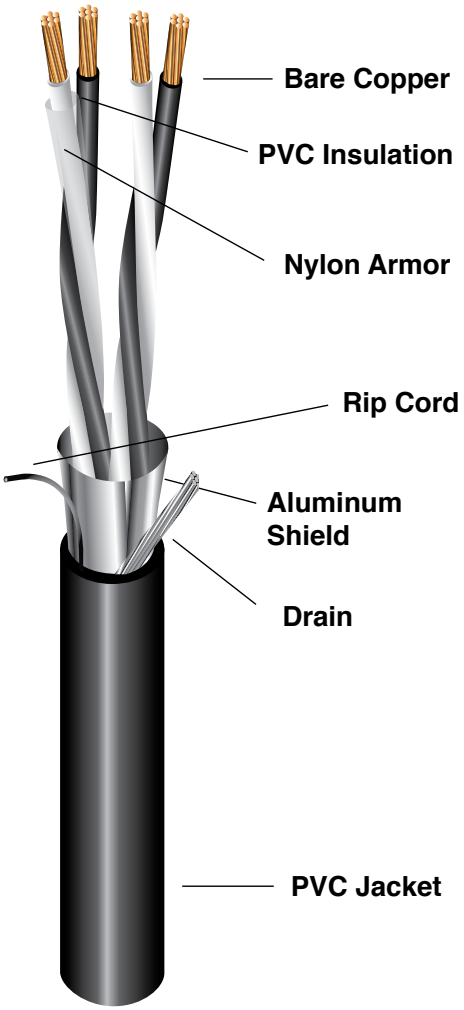
Size AWG	Stranding	PVC Insulation Thickness (Mils)	Approximate O.D. (Inches)
20	7	15	.068
18	7	15	.076
16	7	15	.087

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

TYPE TC-ER - INSTRUMENTATION TRAY CABLE

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 X TYPE TFN PAIRS WITH OVERALL SHIELD (UL) TYPE TC OR TC-ER 90C SUN RES DIR BUR 600V FT4/IEEE1202 E195597 MADE IN THE USA"

MADE IN THE USA

DESCRIPTION

ADC's Type TC-ER 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 a staggered lay and cabled together

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
*UL 1277 requires a ground or three conductors to be ER

RoHS COMPLIANT

UL LISTED

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

TYPE TC-ER - INSTRUMENTATION TRAY CABLE

Pairs with Overall Shield PVC/Nylon Insulation with Overall PVC Jacket

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

Conductor Data

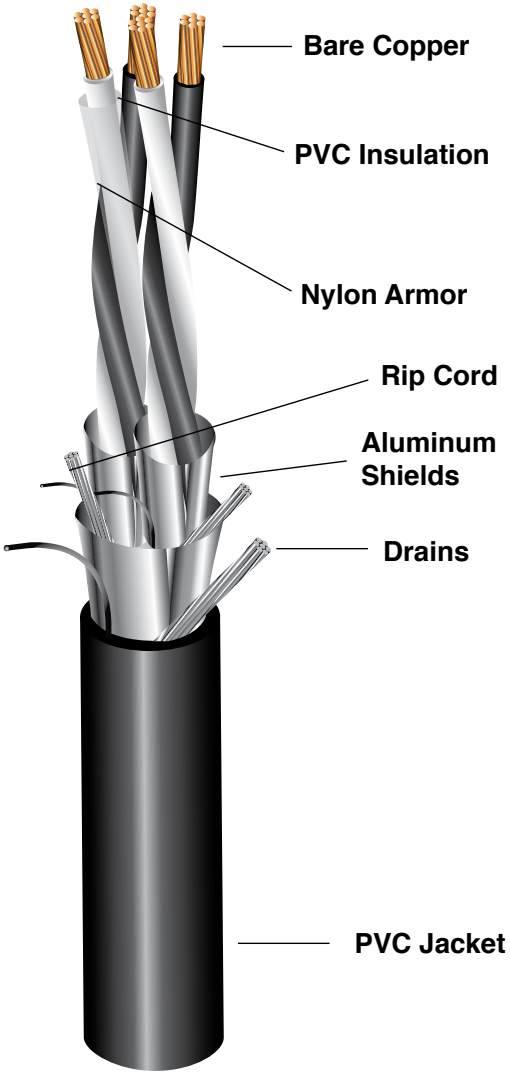
Size AWG	Stranding	PVC Insulation Thickness (Mils)	Nylon Armor (Mils)	Approximate O.D. (Inches)
18	7	15	5	.088
16	7	15	5	.097

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.
1	**6801P0S**	45	.265	35	1	**6601P0S**	45	.290	45
2	**6802P0S**	45	.310	54	2	**6602P0S**	45	.330	70
3	**6803P0S**	45	.407	77	3	**6603P0S**	45	.360	95
4	**6804P0S**	45	.488	99	4	**6604P0S**	60	.573	147
6	**6806P0S**	60	.550	146	6	**6606P0S**	60	.610	195
8	**6808P0S**	60	.651	188	8	**6608P0S**	60	.730	252
12	**6812P0S**	60	.770	261	12	**6612P0S**	80	.910	387
16	**6816P0S**	80	.914	364	16	**6616P0S**	80	1.020	491

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"

MADE IN THE 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

RoHS COMPLIANT

UL LISTED

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

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

Conductor Data

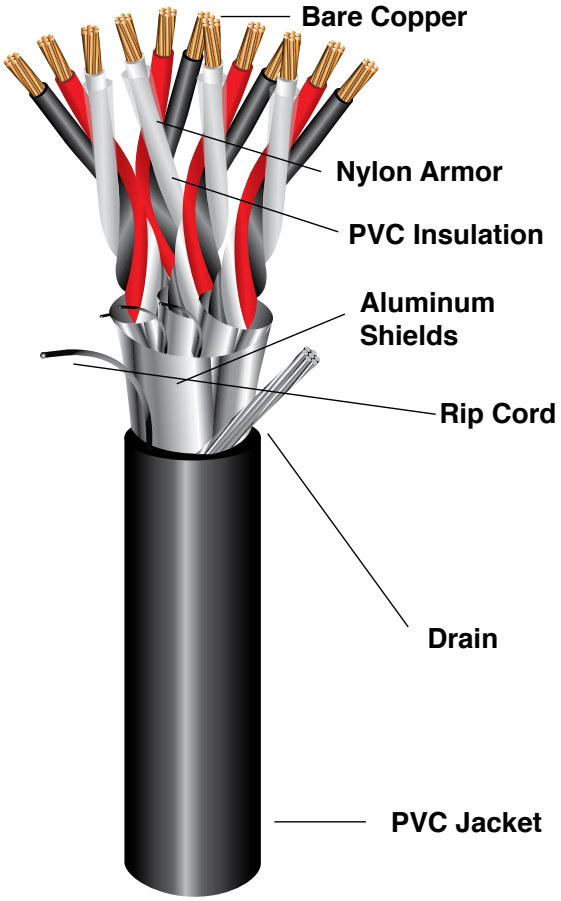
Size AWG	Stranding	PVC Insulation Thickness (Mils)	Nylon Armor (Mils)	Approximate O.D. (Inches)
18	7	15	5	.086
16	7	15	5	.097

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	**6802SP0S**	45	.305	57	2	**6602SP0S**	45	.345	76
3	**6803SP0S**	45	.453	80	3	**6603SP0S**	45	.367	102
4	**6804SP0S**	45	.497	99	4	**6604SP0S**	60	.580	158
6	**6806SP0S**	60	.561	163	6	**6606SP0S**	60	.620	212
8	**6808SP0S**	60	.666	211	8	**6608SP0S**	60	.740	275
12	**6812SP0S**	60	.790	294	12	**6612SP0S**	80	.916	421
16	**6816SP0S**	80	.929	411	16	**6616SP0S**	80	1.034	537

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 90C SUN RES DIR BUR 600V FT4/IEEE1202 E195597 MADE IN USA"

MADE IN THE 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 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

RoHS COMPLIANT

UL LISTED

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

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

Conductor Data

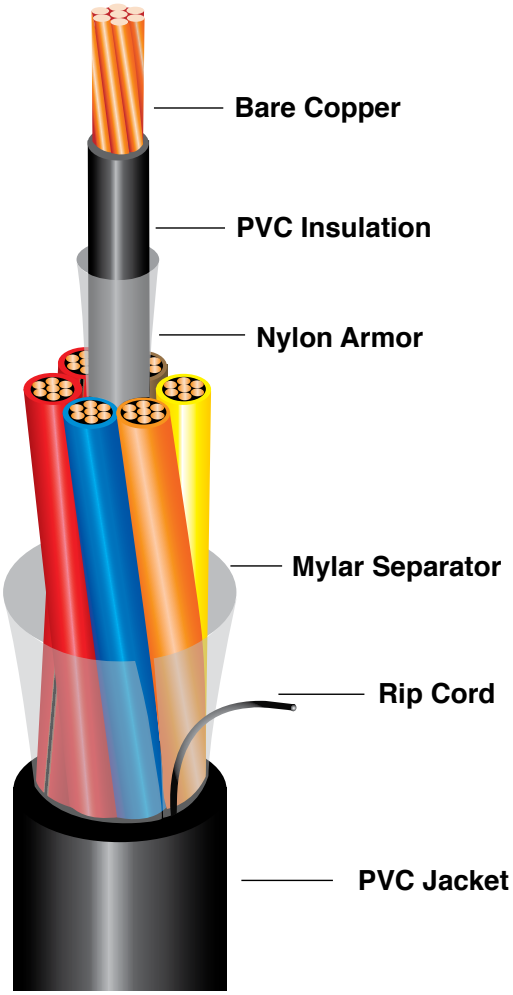
Size AWG	Stranding	PVC Insulation Thickness (Mils)	Nylon Armor (Mils)	Approximate O.D. (Inches)
18	7	15	5	.086
16	7	15	5	.098

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	**6801T0S**	45	.279	45	1	**6601T0S**	45	.307	57
4	**6804ST0S**	60	.557	157	4	**6604ST0S**	60	.623	207
8	**6808ST0S**	60	.707	275	8	**6608ST0S**	60	.795	368
12	**6812ST0S**	80	.862	419	12	**6612ST0S**	80	.984	561

TYPE TC-ER - CONTROL & POWER TRAY CABLE

Unshielded PVC/Nylon Insulation with Overall PVC Jacket
18 - 10 AWG • 600 Volts • 90°C Dry/Wet



CABLE IDENTIFICATION

18-16 AWG
"ADVANCED DIGITAL CABLE, INC. XX AWG XX TYPE TFN CDRS (UL) TYPE TC OR TC-ER 90C SUN RES DIR BUR 600V FT4/ IEEE1202 E195597 MADE IN USA"

14-10 AWG
"ADVANCED DIGITAL CABLE, INC. XX AWG XX TYPE THHN CDRS (UL) TYPE TC OR TC-ER 90C SUN RES DIR BUR 600V FT4/ IEEE1202 E195597 MADE IN USA"

MADE IN THE USA™

DESCRIPTION

ADC's Type TC-ER multi-conductor cables 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. Intended for control, power, lighting, telemetering, signals and relay or traffic control.

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 83 table 10 for THHN/THWN, UL 66 table 4.7 for TFN.

Conductor Jacket: Nylon Thickness: Per UL 83 table 13 for THHN/THWN, UL 66 paragraph 9.1 for TFN.

Cabling: Three or more conductors are assembled with fillers in the core as needed. Two conductors are assembled flat parallel or round with fillers as needed.

Separator: Mylar

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: ICEA Method 1, Table E-2 Standard. ICEA Method 1 Tables E-1, E-3 & Method 4.

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
*UL 1277 requires a ground or three conductors to be rated ER

RoHS COMPLIANT™ UL LISTED

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

TYPE TC-ER - CONTROL & POWER TRAY CABLE

Unshielded PVC/Nylon Insulation with Overall PVC Jacket

18 - 10 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	.097
14	7	15	5	.111
12	7	15	5	.132
10	7	20	5	.166

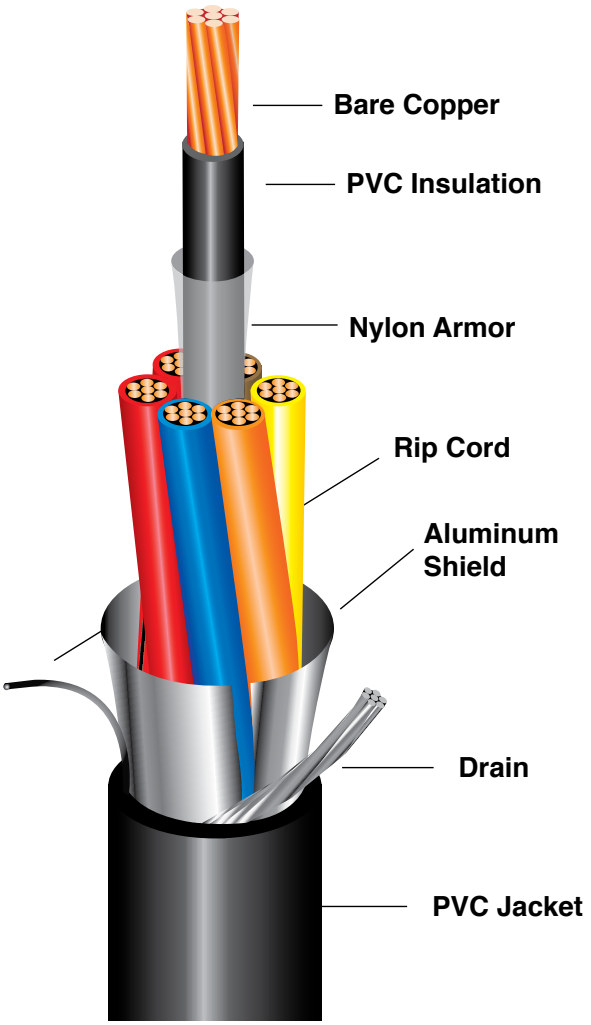
Cable Data

18 AWG					16 AWG				14 AWG				12 AWG				10 AWG			
# of CRDS	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.
2 Flat	**6802F**	45	.176x .262	41	**6602F**	45	.188x .286	49	**6402F**	45	.203x .316	64	**6202F**	45	.222x .360	83	**6102F**	45	.257x .424	115
2 Round	**6802**	45	.266	46	**6602**	45	.290	54	**6402**	45	.320	71	**6202**	45	.358	92	**6102**	45	.428	127
3	**6803**	45	.279	50	**6603**	45	.305	66	**6403**	45	.337	87	**6203**	45	.378	113	**6103**	45	.453	167
4	**6804**	45	.301	60	**6604**	45	.330	79	**6404**	45	.366	107	**6204**	45	.412	145	**6104**	45	.496	212
5	**6805**	45	.322	71	**6605**	45	.359	94	**6405**	45	.399	129	**6205**	45	.450	175	**6105**	60	.575	269
6	**6806**	45	.348	85	**6606**	45	.388	109	**6406**	45	.433	147	**6206**	45	.490	199	**6106**	60	.625	317
7	**6807**	45	.348	89	**6607**	45	.388	118	**6407**	45	.433	162	**6207**	45	.490	223	**6107**	60	.625	352
8	**6808**	45	.375	99	**6608**	45	.418	133	**6408**	45	.468	184	**6208**	60	.561	268	**6108**	60	.697	399
9	**6809**	45	.405	112	**6609**	45	.449	147	**6409**	45	.503	221	**6209**	60	.602	304	**6109**	60	.727	445
10	**6810**	45	.435	121	**6610**	45	.486	162	**6410**	60	.576	237	**6210**	60	.652	327	**6110**	60	.792	490
12	**6812**	45	.451	156	**6612**	45	.501	202	**6412**	60	.593	281	**6212**	60	.672	388	**6112**	60	.817	579
15	**6815**	45	.498	169	**6615**	60	.585	243	**6415**	60	.655	340	**6215**	60	.744	466	**6115**	80	.949	750
19	**6819**	60	.554	220	**6619**	60	.614	296	**6419**	60	.689	408	**6219**	60	.784	581	**6119**	80	.999	918
25	**6825**	60	.640	279	**6625**	60	.712	379	**6425**	60	.802	526	**6225**	80	.956	796	**6120**	80	1.051	975

TYPE TC-ER - CONTROL & POWER TRAY CABLE

Shielded PVC/Nylon Insulation with Overall PVC Jacket

18 - 10 AWG • 600 Volts • 90°C Dry/Wet



CABLE IDENTIFICATION

18-16 AWG

"ADVANCED DIGITAL CABLE, INC. XX AWG XX TYPE TFN CDRS SHLD (UL) TYPE TC OR TC-ER 90C SUN RES DIR BUR 600V FT4/ IEEE1202 E195597 MADE IN USA"

14-10 AWG

"ADVANCED DIGITAL CABLE, INC. XX AWG XX TYPE THHN CDRS SHLD (UL) TYPE TC OR TC-ER 90C SUN RES DIR BUR 600V FT4/ IEEE1202 E195597 MADE IN USA"

MADE IN THE USA™

DESCRIPTION

ADC's Type TC-ER shielded multi-conductor cables have a PVC/Nylon insulation, aluminum shield and drain wire with an overall gas and oil resistant PVC jacket.

APPLICATIONS

Appropriate for use where shielding from electro-static interference is required in power, control and lighting circuits in a broad range of commercial and industrial 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 83 table 10 for THHN/THWN, UL 66 table 4.7 for TFN.

Conductor Jacket: Nylon Thickness: Per UL 83 table 13 for THHN/THWN, UL 66 paragraph 9.1 for TFN.

Cabling: Conductors are assembled with fillers in the core as needed.

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: ICEA Method 1, Table E-2 Standard. ICEA Method 1 Tables E-1, E-3 & Method 4.

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
*UL 1277 requires a ground or three conductors to be rated ER

RoHS COMPLIANT™ UL® LISTED

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

TYPE TC-ER - CONTROL & POWER CABLE

Shielded PVC/Nylon Insulation with Overall PVC Jacket

18 - 10 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
14	7	15	5	.113
12	7	15	5	.132
10	7	20	5	.167

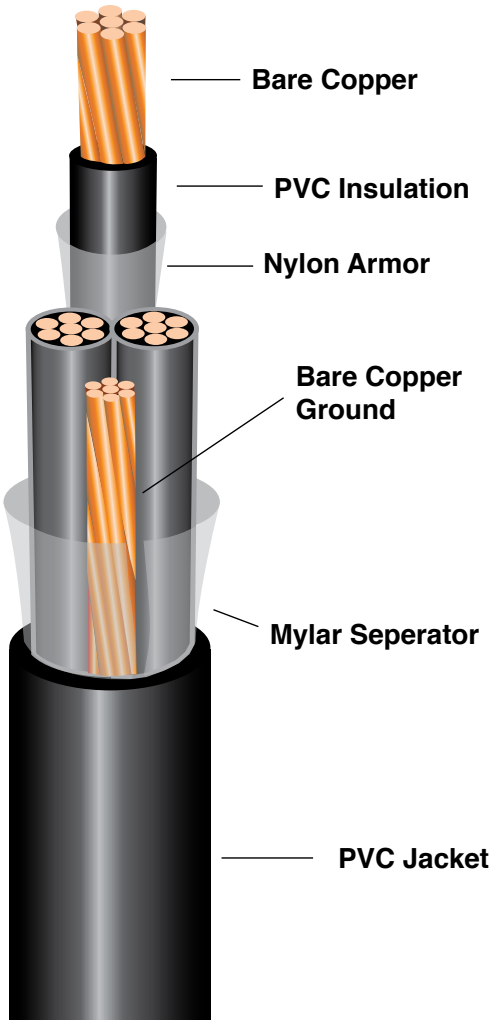
Cable Data

	18 AWG				16 AWG				14 AWG				12 AWG				10 AWG			
# of CDRS	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.
2	**6802SD**	45	.266	54	**6602SD**	45	.290	62	**6402SD**	45	.320	85	**6202SD**	45	.358	107	**6102SD**	45	.428	142
3	**6803SD**	45	.279	62	**6603SD**	45	.305	80	**6403SD**	45	.337	102	**6203SD**	45	.378	128	**6103SD**	45	.453	182
4	**6804SD**	45	.301	72	**6604SD**	45	.330	94	**6404SD**	45	.366	122	**6204SD**	45	.412	160	**6104SD**	45	.496	227
5	**6805SD**	45	.322	83	**6605SD**	45	.359	109	**6405SD**	45	.399	144	**6205SD**	45	.450	195	**6105SD**	60	.575	284
6	**6806SD**	45	.348	97	**6606SD**	45	.388	124	**6406SD**	45	.433	162	**6206SD**	60	.490	219	**6106SD**	60	.625	332
7	**6807SD**	45	.348	101	**6607SD**	45	.388	132	**6407SD**	45	.433	180	**6207SD**	60	.490	243	**6107SD**	60	.625	370
8	**6808SD**	45	.375	111	**6608SD**	45	.418	148	**6408SD**	60	.468	204	**6208SD**	60	.561	288	**6108SD**	60	.677	417
9	**6809SD**	45	.405	124	**6609SD**	45	.449	162	**6409SD**	60	.503	241	**6209SD**	60	.602	324	**6109SD**	60	.727	463
10	**6810SD**	45	.435	136	**6610SD**	60	.486	178	**6410SD**	60	.576	257	**6210SD**	60	.652	347	**6110SD**	80	.792	515
12	**6812SD**	45	.451	171	**6612SD**	60	.501	220	**6412SD**	60	.593	291	**6212SD**	60	.672	408	**6112SD**	80	.817	604
15	**6815SD**	60	.498	198	**6615SD**	60	.585	262	**6415SD**	60	.655	360	**6215SD**	60	.744	486	**6115SD**	80	.949	780
19	**6819SD**	60	.554	238	**6619SD**	60	.614	316	**6419SD**	60	.689	433	**6219SD**	80	.784	606	**6119SD**	80	.999	943
25	**6825SD**	60	.640	298	**6625SD**	60	.712	404	**6425SD**	80	.802	554	**6225SD**	80	.956	820	**6120SD**	80	1.051	1232

TYPE TC-ER - CONTROL & POWER TRAY CABLE

PVC/Nylon Insulation with Overall PVC Jacket

12 - 2 AWG • 600 Volts • 90°C Dry/Wet



CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE, INC. XX AWG XX TYPE THHN CDRS W/ GRND (UL) TYPE TC OR TC-ER 90C SUN RES DIR BUR 600V FT4/ IEEE1202 E195597 MADE IN USA"

MADE IN THE USA

DESCRIPTION

ADC's Type TC-ER cables constructed in two, three or four conductors 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. Intended to supply power motors or for connection to other power devices.

CONSTRUCTION

Conductors: Soft Drawn Annealed Bare Copper per ASTM B-3 and B-8. Concentric 7 strand. Concentric 19 strand available upon request.

Insulation: PVC Thickness: Per UL 83 table 10 for THHN/THWN.

Conductor Jacket: Nylon Thickness: Per UL 83 table 13 for THHN/THWN.

Grounding Conductor: Concentric Stranded Bare Copper

*Insulated Ground Available Upon Request

Cabling: Two or more conductors are assembled with fillers in the core as needed. Two conductors are assembled flat parallel or round with fillers as needed.

Separator: Mylar

Overall Jacket: A black, flame resistant, Polyvinyl Chloride (PVC) jacket is extruded over the assembly. A rip cord shall be inserted under the jacket for ease of stripping.

Color Code: ICEA Method 1, Table E-2. ICEA Method 1 Tables E-1, E-3 & Method 4.

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
*UL 1277 requires a ground or three conductors to be rated ER

RoHS COMPLIANT

UL LISTED

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

TYPE TC-ER - CONTROL & POWER CABLE

PVC/Nylon Insulation with Overall PVC Jacket

12 - 2 AWG • 600 Volts • 90°C Dry/Wet

Conductor Data

Size AWG	Stranding	PVC Insulation Thickness (Mils)	Nylon Armor (Mils)	Approximate O.D. (Inches)
12	7	15	5	.132
10	7	20	5	.167
8	7	30	5	.212
6	7	30	5	.256
4	7	40	6	.326
2	7	40	6	.387

Cable Data

8 AWG - 2 AWG

Size AWG	Part Number	Number of Conductors	Overall Jacket Thickness (Mils)	Approximate O.D. (IN)	Approximate Weight Lbs./M Ft.
8	**60802F**	2 FL	60	.332x.544	180
	60802	2	60	.544	199
	60803	3	60	.580	283
	60804	4	60	.635	352
6	**60602F**	2 FL	60	.380x.636	255
	60602	2	60	.636	299
	60603	3	60	.675	400
	60604	4	60	.741	506
4	**60402F**	2 FL	60	.450x.778	419
	60402	2	60	.778	434
	60403	3	80	.867	653
	60404	4	80	.952	828
2	**60202F**	2 FL	80	.545x.940	587
	60202	2	80	.940	676
	60203	3	80	.998	948
	60204	4	80	1.010	1206

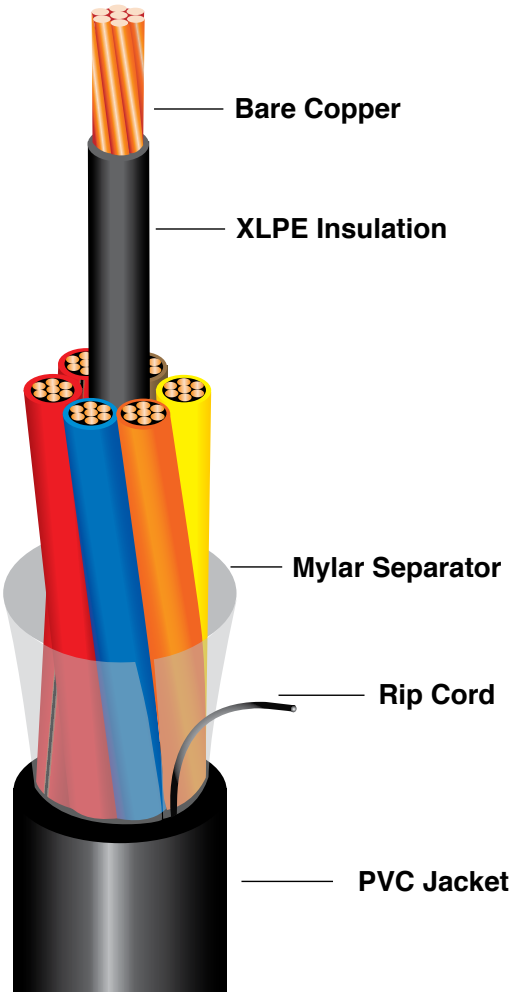
Cable Data

12 AWG - 2 AWG w/Bare Ground Wire

Size AWG	Part Number	Number of Conductors	Overall Jacket Thickness (Mils)	Approximate O.D. (IN)	Approximate Weight Lbs./M Ft.
12/3 w/12 AWG Ground	**6203B**	3	45	.378	145
10/3 w/10 AWG Ground	**6103B**	3	45	.453	212
8 w/10 AWG Ground	**60802B**	2	60	.548	248
	60803B	3	60	.593	315
	60804B	4	60	.635	384
6 w/8 AWG Ground	**60602B**	2	60	.636	350
	60603B	3	60	.675	451
	60604B	4	60	.741	557
4 w/8 AWG Ground	**60403B**	3	80	.867	704
	60404B	4	80	.952	879
2 w/6 AWG Ground	**60202B**	2	80	.940	757
	60203B	3	80	.998	1029
	60204B	4	80	1.010	1287

TYPE TC-ER - CONTROL & POWER TRAY CABLE

Unshielded XLPE Insulation with Overall PVC Jacket
18 - 10 AWG • 600 Volts • 90°C Wet/Dry



CABLE IDENTIFICATION

18-16 AWG
"ADVANCED DIGITAL CABLE, INC. X AWG X CDRS TYPE RFH-2 TC OR TC-ER (UL) 90C WET OR DRY 600V SUN RES DIR BUR FT4/ IEEE 1202 E195597 MADE IN USA"

14-10 AWG
"ADVANCED DIGITAL CABLE, INC. XX AWG X CDRS TYPE XHHW-2 TC OR TC-ER (UL) 90C WET OR DRY 600V SUN RES DIR BUR FT4/ IEEE 1202 E195597 MADE IN USA"

MADE IN THE USA

DESCRIPTION

ADC's Type TC-ER multi-conductor cables have a XLPE 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. Intended for control, power, lighting, telemetering, signals and relay or traffic control.

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: XLPE Thickness: Per UL 66 table 4.8 for RFH-2, UL 44 table 12 for XHHW-2.

Cabling: Conductors are assembled with fillers in the core as needed.

Separator: Mylar

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: ICEA Method 1 Tables E-1, E-2 & Method 4.

INDUSTRY LISTINGS & STANDARDS

UL Listed as TC-ER per UL Standard 1277*
Rated -40°C to 90°C
OSHA Acceptable
NEC Articles 392
CSA FT4
IEEE 1202 70,000 BTU Flame Test
ASTM - All Applicable Standards
Conductors are VW-1 Rated
*UL 1277 requires a ground or three conductors to be rated ER

RoHS COMPLIANT
UL LISTED

TYPE TC-ER - CONTROL & POWER TRAY CABLE

Unshielded XLPE Insulation with Overall PVC Jacket

18 - 10 AWG • 600 Volts • 90°C Wet/Dry

Conductor Data

Size AWG	Strands	XLPE Insulation Thickness (Mils)	Approximate O.D. (Inches)
18	7	30	.106
16	7	30	.118
14	7	30	.133
12	7	30	.152
10	7	30	.176

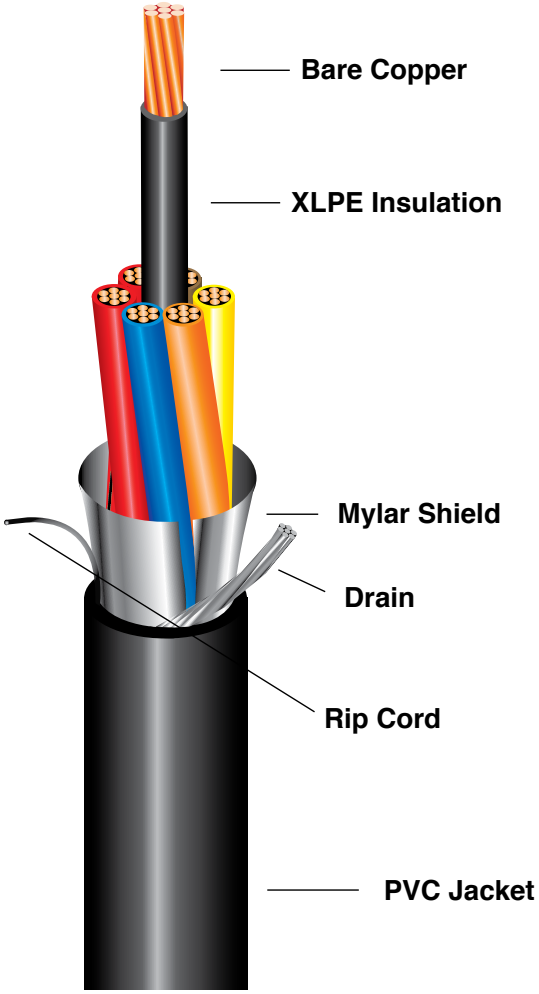
Cable Data

18 AWG					16 AWG				14 AWG				12 AWG				10 AWG			
# of CDRS	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.
2	**5802**	45	.306	40	**5602**	45	.330	49	**5402**	45	.360	63	**5202**	45	.398	83	**5102**	45	.446	114
3	**5803**	45	.324	50	**5603**	45	.350	63	**5403**	45	.382	82	**5203**	45	.423	111	**5103**	45	.475	154
4	**5804**	45	.350	60	**5604**	45	.379	77	**5404**	45	.415	102	**5204**	45	.461	141	**5104**	60	.549	214
5	**5805**	45	.366	71	**5605**	45	.397	91	**5405**	45	.435	122	**5205**	45	.484	167	**5105**	60	.576	256
6	**5806**	45	.371	79	**5606**	45	.427	112	**5406**	45	.458	140	**5206**	45	.541	211	**5106**	60	.604	298
7	**5807**	45	.411	90	**5607**	45	.447	119	**5407**	45	.492	161	**5207**	60	.579	242	**5107**	60	.651	344
8	**5808**	45	.438	100	**5608**	45	.476	133	**5408**	60	.555	198	**5208**	60	.617	272	**5108**	60	.695	398
9	**5809**	45	.459	111	**5609**	45	.500	148	**5409**	60	.582	218	**5209**	60	.647	302	**5109**	60	.730	431
10	**5810**	45	.479	121	**5610**	60	.553	177	**5410**	60	.607	238	**5210**	60	.676	331	**5110**	60	.763	475
12	**5812**	60	.545	156	**5612**	60	.593	205	**5412**	60	.652	279	**5212**	60	.727	389	**5112**	80	.863	592
15	**5815**	60	.594	187	**5615**	60	.648	247	**5415**	60	.715	339	**5215**	60	.799	475	**5115**	80	.945	722
19	**5819**	60	.653	227	**5619**	60	.713	303	**5419**	60	.788	438	**5219**	80	.922	620	**5119**	80	1.042	894
25	**5825**	60	.732	287	**5625**	60	.801	385	**5425**	80	.927	566	**5225**	80	1.036	796	**5120**	80	1.067	937

TYPE TC-ER - CONTROL & POWER TRAY CABLE

Shielded XLPE Insulation with Overall PVC Jacket

18 - 10 AWG • 600 Volts • 90°C Wet/Dry



CABLE IDENTIFICATION

18-16 AWG

"ADVANCED DIGITAL CABLE, INC. X AWG X CDRS TYPE RFH-2 SHLD TC OR TC-ER (UL) 90C WET OR DRY 600V SUN RES DIR BUR FT4/IEEE 1202 E195597 MADE IN USA"

14-10 AWG

"ADVANCED DIGITAL CABLE, INC. XX AWG X CDRS TYPE XHHW-2 SHLD TC OR TC-ER (UL) 90C WET OR DRY 600V SUN RES DIR BUR FT4/IEEE 1202 E195597 MADE IN USA"

MADE IN THE USA

DESCRIPTION

ADC's Type TC-ER multi-conductor cables have a XLPE insulation with an aluminum tape shield and tinned copper drain wire and 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. Intended for control, power, lighting, telemetering, signals and relay or traffic control.

CONSTRUCTION

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

Insulation: XLPE Thickness: Per UL 66 table 4.8 for RFH-2, UL 44 table 12 for XHHW-2.

Cabling: Conductors are assembled with fillers in the core as needed.

Shield: Aluminum Mylar with a tinned copper drain

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: ICEA Method 1 Tables E-1, E-2 & Method 4.

INDUSTRY LISTINGS & STANDARDS

UL Listed as TC-ER per UL Standard 1277*
Rated -40°C to 90°C
OSHA Acceptable
NEC Articles 392
CSA FT4
IEEE 1202 70,000 BTU Flame Test
ASTM - All Applicable Standards
Conductors are VW-1 Rated

*UL 1277 requires a ground or three conductors to be rated ER

RoHS COMPLIANT

UL LISTED

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

TYPE TC-ER - CONTROL & POWER TRAY CABLE

Shielded XLPE Insulation with Overall PVC Jacket

18 - 10 AWG • 600 Volts • 90°C Wet/Dry

Conductor Data

Size AWG	Strands	XLPE Insulation Thickness (Mils)	Approximate O.D. (Inches)
18	7	30	.106
16	7	30	.118
14	7	30	.133
12	7	30	.152
10	7	30	.176

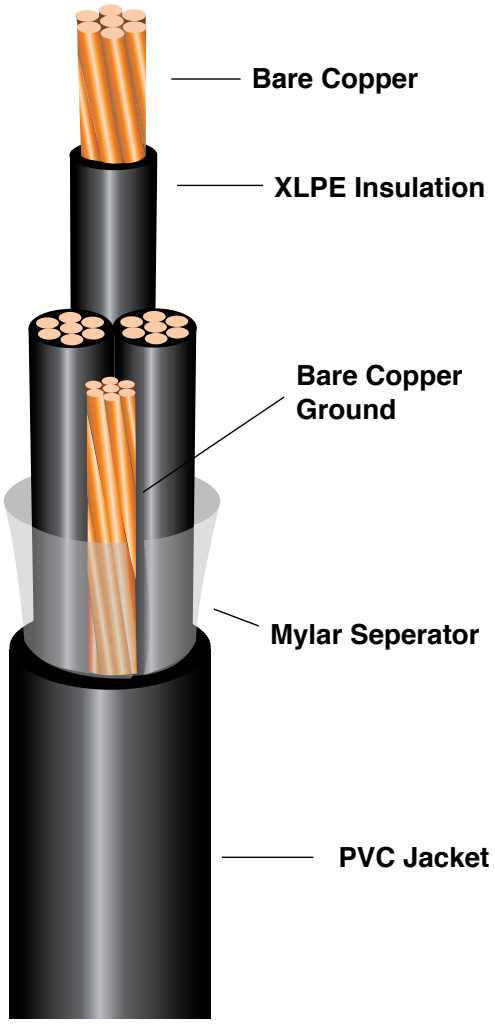
Cable Data

	18 AWG				16 AWG				14 AWG				12 AWG				10 AWG			
# of CDRS	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.
2	**5802SD**	45	.306	42	**5602SD**	45	.330	53	**5402SD**	45	.360	67	**5202SD**	45	.398	89	**5102SD**	45	.446	120
3	**5803SD**	45	.324	52	**5603SD**	45	.350	67	**5403SD**	45	.382	86	**5203SD**	45	.423	117	**5103SD**	45	.475	160
4	**5804SD**	45	.350	62	**5604SD**	45	.379	81	**5404SD**	45	.415	106	**5204SD**	45	.461	147	**5104SD**	60	.549	220
5	**5805SD**	45	.366	73	**5605SD**	45	.397	95	**5405SD**	45	.435	126	**5205SD**	45	.484	173	**5105SD**	60	.576	262
6	**5806SD**	45	.441	81	**5606SD**	45	.447	116	**5406SD**	45	.492	144	**5206SD**	60	.579	217	**5106SD**	60	.651	304
7	**5807SD**	45	.411	92	**5607SD**	45	.447	123	**5407SD**	45	.492	165	**5207SD**	60	.579	248	**5107SD**	60	.651	350
8	**5808SD**	45	.438	103	**5608SD**	45	.476	137	**5408SD**	60	.555	202	**5208SD**	60	.617	278	**5108SD**	60	.695	404
9	**5809SD**	45	.459	114	**5609SD**	45	.500	153	**5409SD**	60	.582	223	**5209SD**	60	.647	308	**5109SD**	60	.730	437
10	**5810SD**	45	.479	124	**5610SD**	60	.553	183	**5410SD**	60	.607	243	**5210SD**	60	.676	337	**5110SD**	60	.763	481
12	**5812SD**	60	.545	160	**5612SD**	60	.593	209	**5412SD**	60	.652	284	**5212SD**	60	.727	396	**5112SD**	80	.863	599
15	**5815SD**	60	.594	191	**5615SD**	60	.648	251	**5415SD**	60	.715	344	**5215SD**	60	.799	482	**5115SD**	80	.945	729
19	**5819SD**	60	.653	231	**5619SD**	60	.713	307	**5419SD**	60	.788	443	**5219SD**	80	.922	627	**5119SD**	80	1.042	901
25	**5825SD**	60	.732	291	**5625SD**	60	.801	390	**5425SD**	80	.927	571	**5225SD**	80	1.036	803	**5120SD**	80	1.067	944

TYPE TC-ER - CONTROL & POWER TRAY CABLE

XLPE Insulation with Overall PVC Jacket

12 - 2 AWG • 600 Volts • 90°C Dry/Wet



CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE, INC. XX AWG XX TYPE XHHW-2 CDRS W/ GRND (UL) TYPE TC OR TC-ER 90C SUN RES DIR BUR 600V FT4/IEEE1202 E195597 MADE IN USA"

MADE IN THE USA

DESCRIPTION

ADC's Type TC-ER cables have a XLPE insulation with an overall gas and oil resistant Polyvinyl Chloride (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. Intended to supply power motors or for connection to other power devices.

CONSTRUCTION

Conductors: Soft Drawn Annealed Bare Copper per ASTM B-3 and B-8. Concentric 7 strand. Concentric 19 strand available upon request.

Insulation: XLPE Thickness: Per UL 44 table 12 for XHHW-2.

Grounding Conductor: Concentric Stranded Bare Copper

*Insulated Ground Available Upon Request

Cabling: Three or more conductors are assembled with fillers in the core as needed. Two conductors are assembled flat parallel or round with fillers as needed.

Separator: Mylar

Overall Jacket: A black, flame resistant, Polyvinyl Chloride (PVC) jacket is extruded over the assembly. A rip cord shall be inserted under the jacket for ease of stripping.

Color Code: ICEA Method 1, Table E-2. ICEA Method 1 Tables E-1, E-3 & Method 4.

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
Conductors are VW-1 Rated

*UL 1277 requires a ground or three conductors to be rated ER

RoHS COMPLIANT

UL LISTED

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

TYPE TC-ER - CONTROL & POWER TRAY CABLE

XLPE Insulation with Overall PVC Jacket

12 - 2 AWG • 600 Volts • 90°C Dry/Wet

Conductor Data

Size AWG	Strands No. / O.D.	XLPE Insulation Thickness (Mils)	Approximate O.D. (Inches)
12	7	30	.152
10	7	30	.175
8	7	45	.236
6	7	45	.274
4	7	45	.322
2	7	45	.382

Cable Data

8 AWG - 2 AWG

Size AWG	Part Number	Number of Conductors	Overall Jacket Thickness (Mils)	Approximate O.D. (IN)	Approximate Weight Lbs./M Ft.
8	**50802F**	2 FL	60	.356x.592	192
	50802	2	60	.596	194
	50803	3	60	.636	260
	50804	4	60	.695	334
6	**50602F**	2 FL	60	.394x.668	264
	50602	2	60	.672	266
	50603	3	60	.718	370
	50604	4	60	.787	475
4	**50402F**	2 FL	60	.442x.764	379
	50402	2	60	.768	383
	50403	3	80	.862	570
	50404	4	80	.943	733
2	**50202F**	2 FL	80	.542x.924	590
	50202	2	80	.930	596
	50203	3	80	.994	837
	50204	4	80	1.089	1085

Cable Data

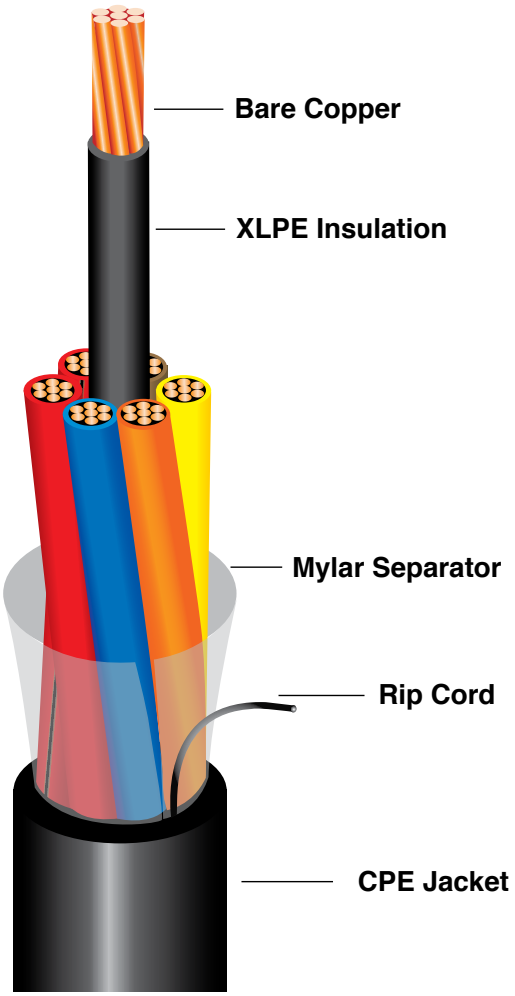
12 AWG - 2 AWG w/Bare Ground Wire

Size AWG	Part Number	Number of Conductors	Overall Jacket Thickness (Mils)	Approximate O.D. (IN)	Approximate Weight Lbs./M Ft.
12 w/12 AWG Ground	**5202B**	2	45	.398	104
	5203B	3	45	.423	131
	5204B	4	45	.461	161
10 w/10 AWG Ground	**5102B**	2	45	.446	146
	5103B	3	45	.475	187
	5104B	4	60	.549	245
8 w/10 AWG Ground	**50802B**	2	60	.596	225
	50803B	3	60	.636	293
	50804B	4	60	.695	363
6 w/8 AWG Ground	**50602B**	2	60	.672	318
	50603B	3	60	.718	420
	50604B	4	60	.787	525
4 w/8 AWG Ground	**50402B**	2	60	.768	434
	50403B	3	80	.862	622
	50404B	4	80	.943	783
2 w/6 AWG Ground	**50202B**	2	80	.930	678
	50203B	3	80	.994	917
	50204B	4	80	1.089	1164

TYPE TC-ER - CONTROL & POWER TRAY CABLE

Unshielded XLPE Insulation with Overall CPE Jacket

18 - 10 AWG • 600 Volts • 90°C Wet/Dry



CABLE IDENTIFICATION

18-16 AWG

"ADVANCED DIGITAL CABLE, INC. XX AWG X CDRS TYPE RFH-2 XLP/CPE TC OR TC-ER (UL) 90C WET OR DRY 600V SUN RES DIR BUR FT4/IEEE 1202 E195597 MADE IN USA"

14-10 AWG

ADVANCED DIGITAL CABLE, INC. XX AWG X CDRS TYPE XHHW-2 XLP/CPE TC OR TC-ER (UL) 90C WET OR DRY 600V SUN RES DIR BUR FT4/IEEE 1202 E195597 MADE IN USA

MADE IN THE USA

DESCRIPTION

ADC's Type TC-ER multi-conductor cables have a XLPE insulation with an overall flame retardant, sunlight resistant Chlorinated Polyethylene (CPE) 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 flame retardance and moisture/chemical resistance is critical. Intended for control, power, lighting, telemetering, signals and relay or traffic control.

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: XLPE Thickness: Per UL 66 table 4.8 for RFH-2, UL 44 table 12 for XHHW-2.

Cabling: Conductors are assembled with fillers in the core as needed.

Separator: Mylar

Overall Jacket: A black, flame resistant, Chlorinated Polyethylene (CPE) 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: ICEA Method 1 Tables E-1, E-2 & Method 4.

INDUSTRY LISTINGS & STANDARDS

UL Listed as TC-ER per UL Standard 1277*
Rated -40°C to 90°C
OSHA Acceptable
NEC Articles 392
CSA FT4
IEEE 1202 70,000 BTU Flame Test
ASTM - All Applicable Standards
Conductors are VW-1 Rated
*UL 1277 requires a ground or three conductors to be rated ER

RoHS COMPLIANT

UL LISTED

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

TYPE TC-ER - CONTROL & POWER TRAY CABLE

Unshielded XLPE Insulation with Overall CPE Jacket

18 - 10 AWG • 600 Volts • 90°C Wet/Dry

Conductor Data

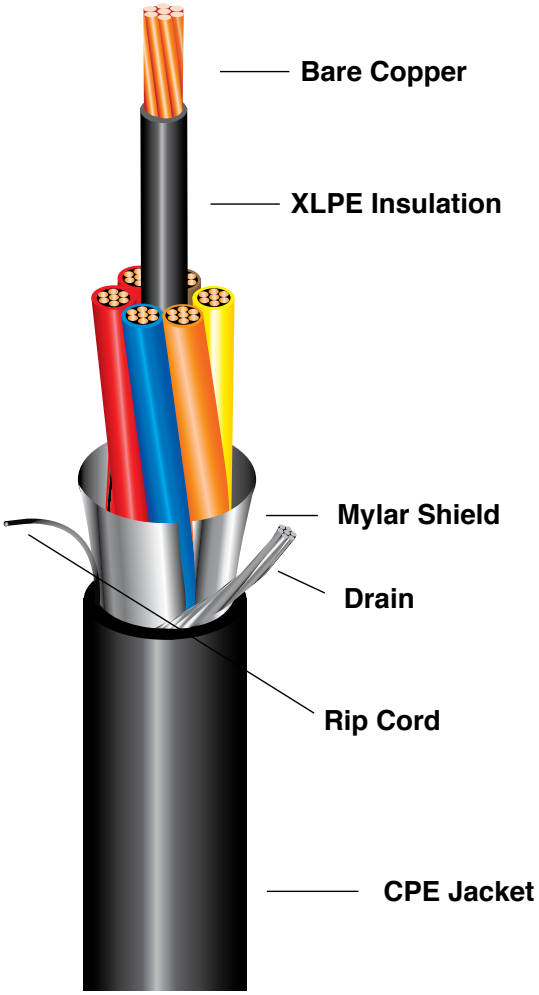
Size AWG	Strands	XLPE Insulation Thickness (Mils)	Approximate O.D. (Inches)
18	7	30	.106
16	7	30	.118
14	7	30	.133
12	7	30	.152
10	7	30	.176

Cable Data

	18 AWG				16 AWG				14 AWG				12 AWG				10 AWG			
# of CDRS	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.
2	**51802**	45	.306	42	**51602**	45	.330	52	**51402**	45	.360	66	**51202**	45	.398	87	**51102**	45	.446	118
3	**51803**	45	.324	53	**51603**	45	.350	67	**51403**	45	.382	87	**51203**	45	.423	116	**51103**	45	.475	162
4	**51804**	45	.350	65	**51604**	45	.379	82	**51404**	45	.415	108	**51204**	45	.461	147	**51104**	60	.549	222
5	**51805**	45	.366	76	**51605**	45	.397	97	**51405**	45	.435	128	**51205**	45	.484	176	**51105**	60	.576	266
6	**51806**	45	.411	85	**51606**	45	.447	110	**51406**	45	.492	148	**51206**	60	.579	204	**51106**	60	.651	308
7	**51807**	45	.411	97	**51607**	45	.447	127	**51407**	45	.492	171	**51207**	60	.579	254	**51107**	60	.651	357
8	**51808**	45	.438	108	**51608**	45	.476	142	**51408**	60	.555	208	**51208**	60	.617	285	**51108**	60	.695	403
9	**51809**	45	.459	120	**51609**	45	.500	158	**51409**	60	.582	230	**51209**	60	.647	316	**51109**	60	.730	448
10	**51810**	45	.479	131	**51610**	60	.553	188	**51410**	60	.607	252	**51210**	60	.676	347	**51110**	60	.763	493
12	**51812**	60	.545	169	**51612**	60	.593	219	**51412**	60	.652	294	**51212**	60	.727	407	**51112**	80	.863	615
15	**51815**	60	.594	202	**51615**	60	.648	264	**51415**	60	.715	357	**51215**	60	.799	498	**51115**	80	.945	751
19	**51819**	60	.653	246	**51619**	60	.713	323	**51419**	60	.788	440	**51219**	80	.922	652	**51119**	80	1.042	929
25	**51825**	60	.732	310	**51625**	60	.801	411	**51425**	80	.927	598	**51225**	80	1.036	833	**51120**	80	1.067	974

TYPE TC-ER - CONTROL & POWER TRAY CABLE

Shielded XLPE Insulation with Overall CPE Jacket
18 - 10 AWG • 600 Volts • 90°C Wet/Dry



CABLE IDENTIFICATION

18-16 AWG
"ADVANCED DIGITAL CABLE, INC. XX AWG X CDRS TYPE RFH-2 XLP/CPE SHLD TC OR TC-ER (UL) 90C WET OR DRY 600V SUN RES DIR BUR FT4/IEEE 1202 E195597 MADE IN USA"

14-10 AWG
ADVANCED DIGITAL CABLE, INC. XX AWG X CDRS TYPE XHHW-2 XLP/CPE SHLD TC OR TC-ER (UL) 90C WET OR DRY 600V SUN RES DIR BUR FT4/IEEE 1202 E195597 MADE IN USA

MADE IN THE USA

DESCRIPTION

ADC's Type TC-ER multi-conductor cables have a XLPE insulation with aluminum tape shield and tinned copper drain wire and an overall flame retardant, sunlight resistant Chlorinated Polyethylene (CPE) 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 flame retardance and moisture/chemical resistance is critical. Intended for control, power, lighting, telemetering, signals and relay or traffic control.

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: XLPE Thickness: Per UL 66 table 4.8 for RFH-2, UL 44 table 12 for XHHW-2.

Cabling: Conductors are assembled with fillers in the core as needed.

Shield: Aluminum mylar with a tinned copper drain

Overall Jacket: A black, flame resistant, Chlorinated Polyethylene (CPE) 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: ICEA Method 1 Tables E-1, E-2 & Method 4.

INDUSTRY LISTINGS & STANDARDS

UL Listed as TC-ER per UL Standard 1277*
Rated -40°C to 90°C
OSHA Acceptable
NEC Articles 392
CSA FT4
IEEE 1202 70,000 BTU Flame Test
ASTM - All Applicable Standards
Conductors are VW-1 Rated
*UL 1277 requires a ground or three conductors to be rated ER

RoHS COMPLIANT

UL LISTED

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

TYPE TC-ER - CONTROL & POWER TRAY CABLE

Shielded XLPE Insulation with Overall CPE Jacket

18 - 10 AWG • 600 Volts • 90°C Wet/Dry

Conductor Data

Size AWG	Strands	XLPE Insulation Thickness (Mils)	Approximate O.D. (Inches)
18	7	30	.106
16	7	30	.118
14	7	30	.133
12	7	30	.152
10	7	30	.176

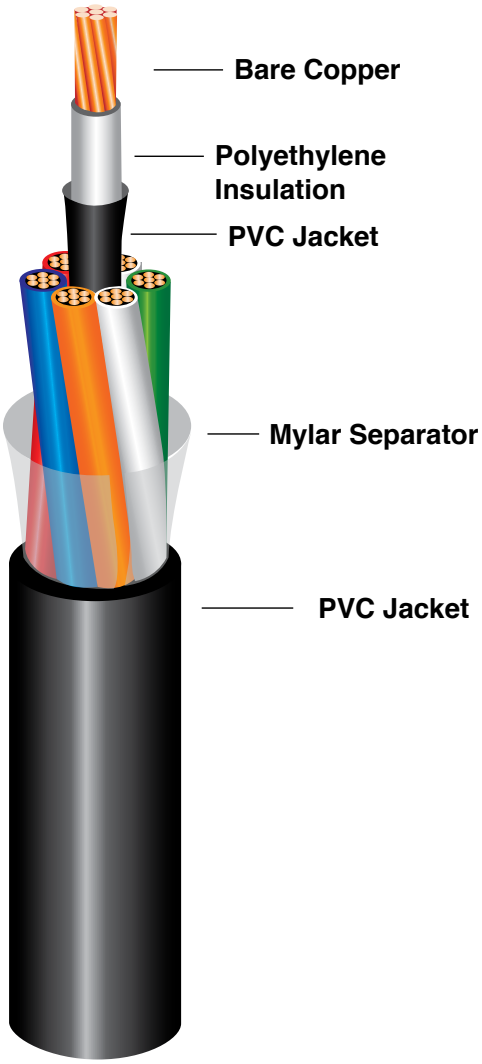
Cable Data

	18 AWG				16 AWG				14 AWG				12 AWG				10 AWG			
# of CDRS	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part #	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.
2	**51802SD**	45	.306	44	**51602SD**	45	.330	56	**51402SD**	45	.360	70	**51202SD**	45	.398	93	**51102SD**	45	.446	124
3	**51803SD**	45	.324	55	**51603SD**	45	.350	71	**51403SD**	45	.382	91	**51203SD**	45	.423	122	**51103SD**	45	.475	168
4	**51804SD**	45	.350	67	**51604SD**	45	.379	86	**51404SD**	45	.415	112	**51204SD**	45	.461	153	**51104SD**	60	.549	228
5	**51805SD**	45	.366	78	**51605SD**	45	.397	101	**51405SD**	45	.435	132	**51205SD**	45	.484	182	**51105SD**	60	.576	272
6	**51806SD**	45	.411	87	**51606SD**	45	.447	114	**51406SD**	45	.492	152	**51206SD**	60	.579	210	**51106SD**	60	.651	314
7	**51807SD**	45	.411	100	**51607SD**	45	.447	131	**51407SD**	45	.492	175	**51207SD**	60	.579	260	**51107SD**	60	.651	363
8	**51808SD**	45	.438	111	**51608SD**	45	.476	146	**51408SD**	60	.555	212	**51208SD**	60	.617	291	**51108SD**	60	.695	409
9	**51809SD**	45	.459	123	**51609SD**	45	.500	162	**51409SD**	60	.582	234	**51209SD**	60	.647	322	**51109SD**	60	.730	454
10	**51810SD**	45	.479	134	**51610SD**	60	.553	192	**51410SD**	60	.607	256	**51210SD**	60	.676	353	**51110SD**	60	.763	499
12	**51812SD**	60	.545	172	**51612SD**	60	.593	223	**51412SD**	60	.652	298	**51212SD**	60	.727	403	**51112SD**	80	.863	621
15	**51815SD**	60	.594	205	**51615SD**	60	.648	268	**51415SD**	60	.715	361	**51215SD**	60	.799	504	**51115SD**	80	.945	757
19	**51819SD**	60	.653	249	**51619SD**	60	.713	327	**51419SD**	60	.788	444	**51219SD**	80	.922	658	**51119SD**	80	1.042	936
25	**51825SD**	60	.732	313	**51625SD**	60	.801	415	**51425SD**	80	.927	602	**51225SD**	80	1.036	839	**51120SD**	80	1.067	980

20-10 CONTROL - SPECIALTY CONTROL CABLE

Unshielded/Shielded Polyethylene/PVC Insulation with Overall PVC Jacket

14 - 10 AWG • 600 Volts • 75°C



CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE YYYY* XX AWG XC PE/PVC 20-10 CONTROL CABLE 600V"

*YYYY Denotes year of manufacture

MADE IN THE USA

DESCRIPTION

ADC's 20-10 Control Cable is polyethylene insulated, PVC jacketed conductors cabled together with an overall PVC Jacket.

APPLICATIONS

For use as a general control cable for conveying signals between devices interfaced directly with the electrical power system. Suitable for open air ducts or conduit, tray, and direct burial installation.

CONSTRUCTION

Conductors: Soft Drawn Annealed Bare Copper per ASTM B-3 and B-8 Concentric 7 strand. Concentric 19 strand available upon request.

Insulation: 20 Mils transparent Linear Low Density Polyethylene

Conductor Jacket: 10 Mils Color Coded PVC

Cabling: 2 conductor assembled flat or round. Three or more conductors cabled with fillers as needed.

Separator: Mylar

Shielded Cables: 5 Mil Corrugated Copper Tape

Overall Jacket: Black Direct Burial PVC. Thickness per ICEA S-73-532/NEMA WC-57 Table 4-1

Color Code: ICEA Method 1, Table E-2 Standard. ICEA Method 1 Tables E-1, E-3 & Method 4.

INDUSTRY LISTINGS & STANDARDS

ANSI/ICEA S-73-532
NEMA WC 57
ASTM - All Applicable Standards
Rated 75°C

RoHS COMPLIANT

ADC ADVANCED DIGITAL CABLE INC.

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

Unshielded/Shielded Polyethylene/PVC Insulation with Overall PVC Jacket

14 - 10 AWG • 600 Volts • 75°C

Unshielded Cable Data

	14 AWG				12 AWG				10 AWG			
# of Conds.	Part No.	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part No.	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part No.	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.
2 Flat	**140221F**	45	.223x .356	61	**120221F**	45	.242x .394	80	**100221F**	45	.266x .442	111
2 Round	**140221**	45	.355	62	**120221**	45	.398	82	**100221**	45	.446	113
3	**140321**	45	.382	81	**120321**	45	.423	110	**100321**	45	.475	154
4	**140421**	45	.415	101	**120421**	45	.461	139	**100421**	60	.549	212
5	**140521**	45	.435	121	**120521**	45	.484	167	**100521**	60	.576	254
6	**140621**	45	.458	134	**120621**	45	.491	193	**100621**	60	.584	294
7	**140721**	45	.492	160	**120721**	60	.579	240	**100721**	60	.651	340
8	**140821**	60	.555	196	**120821**	60	.617	270	**100821**	60	.695	384
9	**140921**	60	.582	216	**120921**	60	.647	300	**100921**	60	.730	427
10	**141021**	60	.607	237	**121021**	60	.706	332	**101021**	60	.763	470
11	**141121**	60	.630	257	**121121**	60	.717	358	**101121**	60	.793	513
12	**141221**	60	.652	277	**121221**	60	.727	386	**101221**	80	.863	586

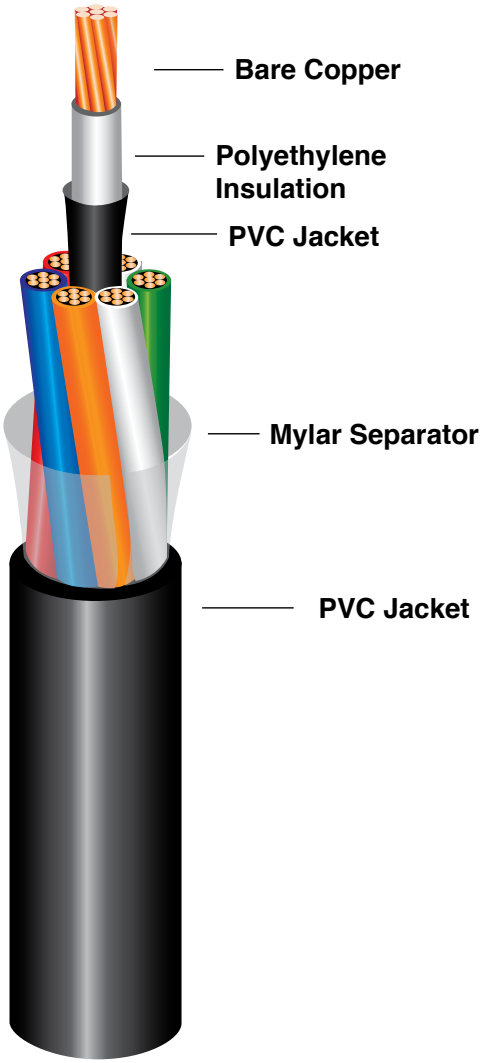
Shielded Cable Data

2	**140221SD**	45	.375	86	**120221SD**	45	.413	109	**100221SD**	45	.461	144
3	**140321SD**	45	.397	106	**120321SD**	45	.438	137	**100321SD**	45	.490	186
4	**140421SD**	45	.430	129	**120421SD**	45	.476	171	**100421SD**	60	.564	250
5	**140521SD**	45	.450	150	**120521SD**	45	.499	199	**100521SD**	60	.591	292
6	**140621SD**	45	.500	177	**120621SD**	60	.588	253	**100621SD**	60	.650	350
7	**140721SD**	45	.507	195	**120721SD**	60	.594	278	**100721SD**	60	.666	389
8	**140821SD**	60	.570	233	**120821SD**	60	.632	313	**100821SD**	60	.710	433
9	**140921SD**	60	.597	254	**120921SD**	60	.662	343	**100921SD**	60	.745	479
10	**141021SD**	60	.650	282	**121021SD**	60	.717	380	**101021SD**	60	.800	529
11	**141121SD**	60	.655	300	**121121SD**	60	.723	406	**101121SD**	60	.808	568
12	**141221SD**	60	.667	322	**121221SD**	60	.742	440	**101221SD**	80	.878	647

METERING CABLE - SPECIALTY CONTROL CABLE

Polyethylene/PVC Insulation with Overall PVC Jacket

12 - 9 AWG • 600 Volts • 90°C



CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE XX AWG XC METERING CABLE 600V SUN RES DIR BUR"

MADE IN THE USA

DESCRIPTION

ADC's Metering Cable is polyethylene insulated, PVC jacketed conductors cabled together with an overall sunlight resistat direct burial PVC Jacket.

APPLICATIONS

For use as a general control cable for conveying signals between devices interfaced directly with the electrical power system. Suitable for open air ducts or conduit, tray, and direct burial installation.

CONSTRUCTION

Conductors: Soft Drawn Annealed Bare Copper or Tinned per ASTM B-3 and B-8 Concentric 7 strand. Concentric 19 strand available upon request.

Insulation: 20 Mils transparent Linear Low Density Polyethylene

Conductor Jacket: 10 Mils PVC

Cabling: Conductors cabled with fillers as needed.

Separator: Clear Mylar

Overall Jacket: Black Direct Burial, Sunlight Resistant PVC. Thickness per ICEA S-73-532/NEMA WC-57 Table 4-1

Color Code: ICEA Method 1, Table E-2 Standard. ICEA Method 1 Tables E-1, E-3 & Method 4.

INDUSTRY LISTINGS & STANDARDS

ANSI/ICEA S-73-532
NEMA WC 57
ASTM - All Applicable Standards
Rated 90°C

RoHS COMPLIANT

Polyethylene/PVC Insulation with Overall PVC Jacket

12 - 9 AWG • 600 Volts • 90°C

Unshielded Cable Data

12 AWG					10 AWG				9 AWG			
# of Conds.	Part No.	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part No.	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.	Part No.	OA Jkt. Thick. (MILS)	Appr. O.D. (IN)	Appr. Weight Lbs./ M Ft.
2	**320221**	45	.398	82	**300221**	45	.446	113	**390221**	45	.477	135
3	**320321**	45	.423	110	**300321**	45	.475	154	**390321**	45	.509	187
4	**320421**	45	.461	139	**300421**	60	.549	212	**390421**	60	.587	255
5	**320521**	45	.484	167	**300521**	60	.576	254	**390521**	60	.615	307
6	**320621**	45	.491	193	**300621**	60	.584	294	**390621**	60	.625	356
7	**320721**	60	.579	240	**300721**	60	.651	340	**390721**	60	.698	413
8	**320821**	60	.617	270	**300821**	60	.695	384	**390821**	60	.745	467
9	**320921**	60	.647	300	**300921**	60	.730	427	**390921**	60	.783	520
10	**321021**	60	.706	332	**301021**	60	.763	470	**391021**	80	.860	604
11	**321121**	60	.717	358	**301121**	60	.793	513	**391121**	80	.892	657
12	**321221**	60	.727	386	**301221**	80	.863	586	**391221**	80	.925	711

WTTC WIND CABLE

Type TC, WTTC Wind Cable Constructions
UL 1277, UL2277

Construction Capabilities:
Conductor: 18- 4/0 AWG, Tinned or Bare Copper

Insulation:
Listed Types THW, THW-2, THHW, THHN, THWN, THWN-2, TFN or TFFN conductors, or Unlisted conductors similar to Types TFN or TFFN rated 90°C wet or dry. Listed Types XHHW, XHHW-2, RHH, RHW, RHW-2, RFH-2, FFH-2, RFHH-2 or RFHH-3 conductors, or Unlisted conductors similar to Types RFH-2, FFH-2, RFHH-2 or RFHH-3, except rated 90°C wet or dry. The cable may consist of any combination of conductor sizes provided that all conductors are of the same material.

Identification:
Conductors will be marked using Method 2 and 4 color codes, The wire shall be identified by surface marking indicating the manufacturer's identification, conductor size, voltage rating, UL symbol and type designations, and sequential footage marking.

Available Colors: Black

Ground Wire: A non-insulated bare copper ground is available for all constructions

Shielding Options:
Overall Foil Shield, Individual and overall foil shield, Overall copper tape (corrugated or heliacal)

Application:
Multicondutor, Pair, or Triad Instrumentation and Control Cable rated 1000volts WTTC and 600volts TC

Insulations: UL 44, UL 854, UL 83, UL 66

Overall: UL 1277, UL 2277

Additional Approvals:
-40°C cold bend
Gas and Oil II
Torsion Tested
FT4/IEEE1202

Durawind™ CONTROL CABLE
Controlling the Power of Wind Energy

INTERTEK ISO 9001:2008 · MADE IN THE USA · UL LISTED · RoHS COMPLIANT

Cable Data

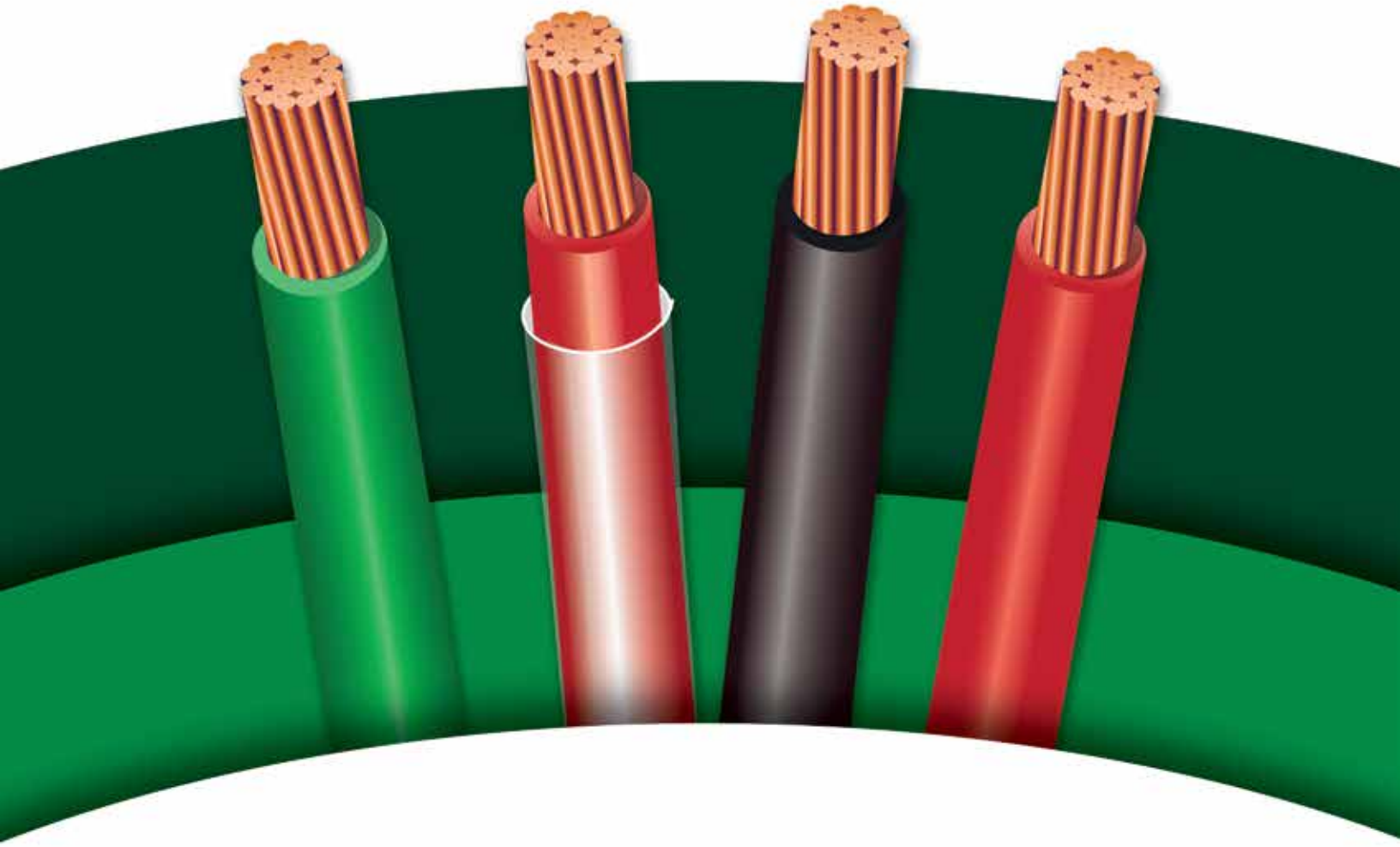
Insul/Jkt	WTTC*	TC	TC-ER	DIR BUR	Temp Wet/Dry	Additional Ratings***
PVC-Nylon/PVC	YES	YES	YES	YES	90C/90C	Sun Res,UL 1685, FT4, IEEE 1202, TC 600V, WTTC 1000V
XLPE/PVC	YES	YES	YES	YES	90C/90C	Sun Res, UL 1685,FT4, IEEE 1202, TC 600V, WTTC 1000V, 2000V employing RHW-2 cond
XLPE/CPE	YES	YES	YES	YES**	90C/90C	Sun Res, UL 1685,FT4, IEEE 1202, TC 600V, WTTC 1000V, 2000V employing RHW-2 cond
PVC-Nylon/CPE	YES	YES	YES	YES**	90C/90C	Sun Res,UL 1685, FT4, IEEE 1202, TC 600V, WTTC 1000V

*WTTC can not be marked direct burial or Exposed Run. ** Dir Bur on CPE 16awg and larger.*** XLPE construction must use VW-1 singles to comply with Flame Tests

ADC

ADVANCED DIGITAL CABLE INC.

BUILDING WIRE



XHHW-2 - BUILDING WIRE

Cross-Linked Polyethylene Insulated

14 AWG - 750 MCM • 600 Volts • 90°C Dry and Wet

CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE, INC. XX AWG XLP 600 V 90C (-40C) GRII SR E218985 (UL) TYPE XHHW-2 OR c(UL) RW90---RoHS"

CT Print Legend

"ADVANCED DIGITAL CABLE, INC. XX AWG XLP 600 V 90C (-40C) GRII SR E218985 (UL) TYPE XHHW-2 FOR CT USE OR c(UL) RW90---RoHS"

DESCRIPTION

ADC's XHHW-2 is insulated with chemically cross-linked polyethylene insulation.

APPLICATIONS

Appropriate for use in general purpose wiring for lighting and power in residential, commercial, and industrial buildings. Suitable for use in low leakage circuits requiring a dielectric constant of 3.5 or less.

CONSTRUCTION

Conductors: Annealed stranded bare copper per ASTM B3 and B8. Class B Stranding per ASTM B8.

Insulation: Chemically cross-linked polyethylene

Colors: Black, Brown, Orange, Yellow, Green, White, Red. Consult factory for other colors

INDUSTRY LISTINGS & STANDARDS

UL Listed as XHHW-2 per Standard 44
ICEA S-95-658/NEMA WC-70
90°C Wet/Dry -40°C Rated
Gasoline and Oil Resistant II - GRII
C(UL) RW90 600V Listed
Sunlight Resistant - SR
RoHS Compliant
CT Rated 1/0 and larger

*Non CT rated and VW-1 available upon request

Cable Data

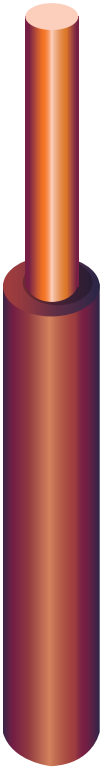
Part Number	AWG	Strand	Insulation Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
214	14	7	30	.131	18	12.69
212	12	7	30	.151	27	20.16
210	10	7	30	.174	40	32.05
208	8	7	45	.234	66	51.00
206	6	7	45	.271	95	81.00
204	4	7	45	.319	145	128.90
203	3	7	45	.349	185	162.50
202	2	7	45	.379	225	204.90
201	1	19	55	.442	290	258.00
2010CT	1/0	19	55	.480	361	326.00
2020CT	2/0	19	55	.525	450	411.00
2030CT	3/0	19	55	.575	561	518.00
2040CT	4/0	19	55	.635	718	653.00
20250CT	250 MCM	37	65	.703	847	772.00
20300CT	300 MCM	37	65	.760	1006	926.00
20350CT	350 MCM	37	65	.807	1169	1081.00
20400CT	400 MCM	37	65	.858	1329	1235.00
20500CT	500 MCM	37	65	.939	1646	1544.00
20600CT	600 MCM	61	80	1.047	2051	1853.00
20750CT	750 MCM	61	80	1.158	2532	2309.00

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

XHHW-2 - BUILDING WIRE

Cross-Linked Polyethylene Insulated

14 - 10 AWG • 600 Volts • 90°C Dry and Wet



DESCRIPTION

ADC's XHHW-2 has a chemically cross-linked polyethylene insulation.

APPLICATIONS

Appropriate for use in general purpose wiring for lighting and powe in residential, commercial, and industrial buildings. Suitable for use in low leakage circuits requiring a dielectric constant of 3.5 or less.

CONSTRUCTION

Conductors: Solid annealed uncoated copper per ASTM B-3.

Insulation: Chemically cross-linked polyethylene

Colors: Black, Brown, Orange, Yellow, Green, White, Red. Consult factory for other colors

INDUSTRY LISTINGS & STANDARDS

UL Listed as XHHW-2 per Standard 44
ICEA S-95-658/NEMA WC-70
90°C Wet/Dry -40°C Rated
Gasoline and Oil Resistant II - GRII
C(UL) RW90 600V Listed
Sunlight Resistant - SR
RoHS Compliant

*VW-1 Rated Cable is available upon request.

CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE, INC. XX AWG XLP 600V 90C (-40C) GRII SR E218985 (UL) TYPE XHHW-2 OR c(UL) RW90---RoHS"

Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
214S	14	Solid	30	.124	18	12.43
212S	12	Solid	30	.141	27	19.76
210S	10	Solid	30	.162	40	31.43
208S	8	Solid	45	.218	61	49.97
206S	6	Solid	45	.252	93	79.46
204S	4	Solid	45	.294	142	127.00

XLP USE-2 OR RHH/RHW-2 - BUILDING WIRE

Cross-Linked Polyethylene Insulated

14 AWG - 750 MCM • 600 Volts • 90°C Dry and Wet

DESCRIPTION

ADC's USE-2 is insulated with chemically cross-linked polyethylene insulation.

APPLICATIONS

Appropriate for use in general purpose wiring for lighting and power in residential, commercial, and industrial buildings. Suitable for use in low leakage circuits requiring a dielectric constant of 3.5 or less.

CONSTRUCTION

Conductors: Annealed stranded bare copper per ASTM B3. Class B Stranding per ASTM B 8.

Insulation: Chemically cross-linked polyethylene

Colors: Black, Green, White, Red. Consult factory for other colors

INDUSTRY LISTINGS & STANDARDS

UL Listed as XLP USE-2 or RHH/RHW-2 per Standard 44 and 854
ICEA S-95-658/NEMA WC-70
Federal spec A-A-59544
90°C Wet/Dry -40°C Rated
Gasoline and Oil Resistant II -GRII
C(UL) RW90 1000V Listed
Sunlight Resistant -SR
Direct Burial
RoHS Compliant

*14 AWG through 4/0 AWG VW-1 available upon request

CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE, INC. XX AWG XLP 90C (-40C) E197262 (UL) TYPE RHH OR RHW-2 GRII SR OR USE-2 OIL RES II DIR BUR 600V c(UL) RW90 1KV---RoHS"

Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
314	14	7	45	.161	22	12.69
312	12	7	45	.181	30	20.16
310	10	7	45	.204	45	32.05
308	8	7	60	.264	73	51.00
306	6	7	60	.301	107	81.00
304	4	7	60	.349	161	128.90
303	3	7	60	.379	193	162.50
302	2	7	60	.409	244	204.90
301	1	19	80	.492	325	258.00
3010	1/0	19	80	.530	399	326.00
3020	2/0	19	80	.575	491	411.00
3030	3/0	19	80	.625	606	518.00
3040	4/0	19	80	.685	751	653.00
30250	250 MCM	37	95	.763	860	772.00
30300	300 MCM	37	95	.820	1021	926.00
30350	350 MCM	37	95	.867	1184	1081.00
30400	400 MCM	37	95	.918	1345	1235.00
30500	500 MCM	37	95	.999	1663	1544.00
30600	600 MCM	61	110	1.107	2051	1853.00
30750	750 MCM	61	110	1.218	2532	2309.00

RHW-2 OR RHH - BUILDING WIRE

Cross-Linked Polyethylene Insulated

14 AWG - 750 MCM • 2000 Volts • 90°C Dry and Wet

DESCRIPTION

ADC's single conductor stranded copper is insulated with chemically cross-linked polyethylene.

APPLICATIONS

Suitable for use in lighting and power applications and for other general purpose wiring applications. Suitable for use in circuits not exceeding 2000 volts. May be installed in raceway, duct, and sunlight resistant applications such as aerial installations.

CONSTRUCTION

Conductors: Annealed stranded bare copper per ASTM B3. Class B Stranding per ASTM B 8.

Insulation: Cross-linked polyethylene

Colors: Black. Consult factory for other colors.

INDUSTRY LISTINGS & STANDARDS

90°C wet or dry RHW-2 2000V
ICEA S-95-658/NEMA WC70
Federal Specification A-A-59544
Meets UL 44 & 854 Requirements
Sunlight Resistant - SR
Gasoline and Oil Resistant II - GRII
RoHS Compliant

*CT Rated Available Upon Request

CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE INC. XX AWG XLP (UL) Type RHH OR RHW-2 2KV 90C (-40C) GRII SR E218985---RoHS"

Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
314RH	14	7	60	.191	24	12.69
312RH	12	7	60	.211	33	20.16
310RH	10	7	60	.234	46	32.05
308RH	8	7	70	.284	73	51.00
306RH	6	7	70	.321	106	81.00
304RH	4	7	70	.369	156	128.90
303RH	3	7	70	.399	191	162.50
302RH	2	7	70	.429	236	204.90
301RH	1	19	90	.512	311	258.00
3010RH	1/0	19	90	.550	383	326.00
3020RH	2/0	19	90	.595	475	411.00
3030RH	3/0	19	90	.645	589	518.00
3040RH	4/0	19	90	.705	749	653.00
30250RH	250 MCM	37	105	.783	871	772.00
30300RH	300 MCM	37	105	.840	1189	926.00
30350RH	350 MCM	37	105	.887	1241	1081.00
30400RH	400 MCM	37	105	.938	1357	1235.00
30500RH	500 MCM	37	105	1.019	1674	1544.00
30600RH	600 MCM	61	120	1.127	2064	1853.00
30750RH	750 MCM	61	120	1.238	2549	2309.00

THW-2 WIRE - BUILDING WIRE

PVC Insulated

14 AWG - 750 MCM • 600 Volts • 90°C Dry and Wet

CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE, INC. XX AWG
600V 90C (UL) Type THW OR THW-2 GRII SR
VW-1 E208489"

DESCRIPTION

ADC's THW-2 is a single conductor stranded or solid copper insulated with moisture and flame retardent, sunlight resistant PVC.

APPLICATIONS

Suitable for use in conduits or other recognized raceways for services, feeders and branch circuit wiring.

CONSTRUCTION

Conductors: Conforms to ASTM B-3 and B-8.
Insulation: Polyvinyl chloride conforming to UL 1581
Colors: Black, Green, White, Red. Consult factory for other colors

INDUSTRY LISTINGS & STANDARDS

UL 83
UL 1581
VW-1 Flame test designation on all sizes
NEMA WC-5/ICEA S-61-402
90°C wet or dry
Sunlight Resistant - SR
Oil Resistant II - GRII
CT use 1/0 AWG and larger
RoHS Compliant

Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
514	14	7	30	.131	19	12.69
514S	14	Solid	30	.124	18	12.43
512	12	7	30	.151	27	20.16
512S	12	Solid	30	.141	26	19.76
510	10	7	30	.174	41	32.05
510S	10	Solid	30	.162	39	31.43
508	8	7	45	.234	68	51.00
508S	8	Solid	45	.218	57	50.20
506	6	7	60	.301	112	81.00
504	4	7	60	.349	166	128.90
502	2	7	60	.409	248	204.90
501	1	19	80	.492	325	258.00
5010	1/0	19	80	.530	400	326.00
5020	2/0	19	80	.575	493	411.00
5030	3/0	19	80	.625	608	518.00
5040	4/0	19	80	.685	752	653.00
50250	250 MCM	37	95	.763	908	772.00
50300	300 MCM	37	95	.820	1075	926.00
50350	350 MCM	37	95	.867	1244	1081.00
50400	400 MCM	37	95	.918	1411	1235.00
50500	500 MCM	37	95	.999	1741	1544.00
50600	600 MCM	61	110	1.107	2108	1853.00
50750	750 MCM	61	110	1.218	2599	2309.00

PVC/Nylon Insulated

18 - 2 AWG • 600 Volts • 90°C Dry and 75°C Wet

DESCRIPTION

ADC's THHN is a single conductor PVC Insulated with a Nylon Jacket.

APPLICATIONS

Appropriate for use conduit and cable trays for general purpose wiring, lighting and power - residential, commercial, and industrial buildings.

CONSTRUCTION

Stranded bare copper conductor per ASTM B-3, B-8. Available in 7 or 19 stranded versions as well as tinned copper.

18-16 AWG Thickness per UL66 Table 4.7 14 AWG and larger per UL83 Table 10 PVC with Nylon Armor

Black, Green, White, Red, Brown, Orange,Yellow. Consult factory for other colors. Print on one side with a contrasting ink. An extruded stripe and other colors are available upon request.

INDUSTRY LISTINGS & STANDARDS

UL Listed per Standard Subject 83 and 66
90°C Rated MTW 1063
Gasoline and Oil Resistant II - GRII
RoHS Compliant

CABLE IDENTIFICATION

18-16 AWG Solid
"ADVANCED DIGITAL CABLE, INC. XX AWG TFN E195596 (UL) 600V 90C VW-1 GRII OR AWM STYLE 1316 105C E195596"

18-16 AWG Stranded
"ADVANCED DIGITAL CABLE, INC. XX AWG TFFN E195596 (UL) 600V 90C VW-1 GRII OR MTW AWM STYLE 1316 105C E195596"

14-10 AWG Solid
"ADVANCED DIGITAL CABLE INC. 14 AWG THHN/THWN-2 E208489 (UL) 600V 90C VW-1 GRII E208489"

14-2 AWG Stranded
"ADVANCED DIGITAL CABLE INC. 14 AWG THHN/THWN-2 E208489 (UL) 600V 90C VW-1 GRII OR MTW E208489

Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Jacket Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
418	18	7	15	5	.086	7.5	5.0
418S	18	Solid	15	5	.080	7	4.94
416	16	7	15	5	.097	11	8.04
416S	16	Solid	15	5	.091	10	7.85
414	14	19	15	5	.111	16	12.64
414S	14	Solid	15	5	.104	15	12.49
412	12	19	15	5	.130	25	20.02
412S	12	Solid	15	5	.121	23	19.86
410	10	19	20	5	.167	39	32.03
408	8	19	30	5	.213	64	50.90
406	6	19	30	5	.256	97	81.00
404	4	19	40	6	.327	155	128.66
403	3	19	40	6	.355	191	162.50
402	2	19	40	6	.388	238	204.90

BARE COPPER - BUILDING WIRE

Soft Drawn Bare Copper
14 AWG - 750 MCM

DESCRIPTION

Fully annealed soft drawn bare copper

APPLICATIONS

For use as a grounding conductor

INDUSTRY LISTINGS & STANDARDS

ASTM-B3 for soft-drawn solid copper wire
ASTM-B8 for soft-drawn concentric lay stranded copper wire
ASTM-B787 for combination unilay stranded wire

Cable Data

Part Number	AWG	Number of Strands	Nominal Circular Mil Area	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'
BC14	14	Solid	4105	.0641	12.43
BC12	12	Solid	6529	.0808	19.76
BC10	10	Solid	10362	.102	31.43
BC08	8	Solid	16510	.129	49.97
BC06	6	Solid	26240	.162	79.46
BC107S	10	7	10108	.114	31.00
BC087S	8	7	16510	.146	51.00
BC067S	6	7	26240	.184	81.00
BC047S	4	7	41740	.232	128.90
BC037S	3	7	52620	.260	162.50
BC027S	2	7	66360	.292	204.90
BC0119S	1	19	83690	.332	258.00
BC1019S	1/0	19	105600	.373	326.00
BC2019S	2/0	19	133100	.419	411.00
BC3019S	3/0	19	167800	.470	518.00
BC4019S	4/0	19	211600	.528	653.00
BC25037S	250	37	250000	.558	772.00
BC30037S	300	37	300000	.611	926.00
BC35037S	350	37	350000	.661	1081.00
BC40037S	400	37	400000	.706	1235.00
BC50037S	500	37	500000	.789	1544.00
BC60061S	600	61	600000	.893	1853.00
BC75061S	750	61	750000	.998	2309.00

Cross-Linked Polyethylene Insulated

14 AWG - 750 MCM • 600 Volts • 90°C Dry and Wet

DESCRIPTION

ADC's RW90 is insulated with chemically cross-linked polyethylene insulation.

APPLICATIONS

Appropriate for use in general purpose wiring for lighting and power in residential, commercial, and industrial buildings. Suitable for use in low leakage circuits requiring a dielectric constant of 3.5 or less.

CONSTRUCTION

Conductors: 14AWG - 750 MCM fully annealed stranded bare copper per ASTM B3. Class B Stranding per ASTM B 8.

Insulation: Chemically cross-linked polyethylene

Colors: Black, Brown, Orange, Yellow, Green, White, Red.

INDUSTRY LISTINGS & STANDARDS

CSA Listed CSA Spec C22.2, No. 38 RW90 600V
ICEA S-95-658/NEMA WC-70
90°C Wet/Dry -40°C Rated
Gasoline and Oil Resistant II - GRII
C(UL) RW90 600V Listed
Sunlight Resistant - SR
RoHS Compliant
CT Rated 1/0 and larger (Non CT and VW-1 rated available upon request)

CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE, INC. XX AWG XLP 600 V 90C (-40C) GRII SR E218985 (UL) TYPE XHHW-2 OR c(UL) RW90---RoHS"

CT Print Legend

"ADVANCED DIGITAL CABLE, INC. XX AWG XLP 600 V 90C (-40C) GRII SR FOR CT USE E218985 (UL) TYPE XHHW-2 OR c(UL) RW90---RoHS"

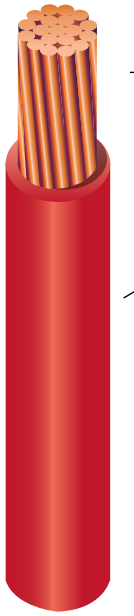
Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
214	14	7	30	.131	18	12.69
212	12	7	30	.151	27	20.16
210	10	7	30	.174	40	32.05
208	8	7	45	.234	66	51.00
206	6	7	45	.271	95	81.00
204	4	7	45	.319	145	128.90
203	3	7	45	.349	185	162.50
202	2	7	45	.379	225	204.90
201	1	19	55	.442	290	258.00
2010CT	1/0	19	55	.480	361	326.00
2020CT	2/0	19	55	.525	450	411.00
2030CT	3/0	19	55	.575	561	518.00
2040CT	4/0	19	55	.635	718	653.00
20250CT	250 MCM	37	65	.703	847	772.00
20300CT	300 MCM	37	65	.760	1006	926.00
20350CT	350 MCM	37	65	.807	1169	1081.00
20400CT	400 MCM	37	65	.858	1329	1235.00
20500CT	500 MCM	37	65	.939	1646	1544.00
20600CT	600 MCM	61	80	1.047	2051	1853.00
20750CT	750 MCM	61	80	1.158	2512	2309.00

RWU90 RHW-2 - CANADIAN BUILDING WIRE

Cross-Linked Polyethylene Insulated

14 AWG - 750 MCM • 90°C Dry and Wet



CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE, INC. "XX" AWG XLP (UL) TYPE RHW-2 2KV OR c(UL) RWU90 1KV 90C (-40C) GRII SR E218985---RoHS"

DESCRIPTION

ADC's RWU90 single conductor is insulated with chemically cross-linked polyethylene insulation.

APPLICATIONS

Appropriate for use in general purpose wiring for lighting and power - residential, commercial, and industrial buildings. Suitable for applications that require superior flame retardance.

CONSTRUCTION

Conductors: Annealed stranded bare copper per ASTM B3. Class B Stranding per ASTM B 8.

Insulation: Chemically cross-linked polyethylene

Colors: Black, Brown, Orange, Yellow, Green, White, Red.

INDUSTRY LISTINGS & STANDARDS

CSA/cUL Listed RWU90-1KV UL-RHW-2 2KV CSA Standard C22.2, No. 38-05
ICEA S-95-658/NEMA WC-70
RWU90 - 1000V
RHW-2 - 2000V
90°C Wet/Dry -40°C Rated
Gasoline and Oil Resistant II - GRII
Sunlight Resistant - SR
RoHS Compliant
CT Rated on 1/0 and larger available upon request

Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
314C	14	7	60	.191	24	12.69
312C	12	7	60	.211	33	20.16
310C	10	7	60	.234	47	32.05
308C	8	7	80	.304	77	51.00
306C	6	7	80	.341	112	81.00
304C	4	7	80	.389	166	128.90
303C	3	7	80	.419	203	162.50
302C	2	7	80	.449	250	204.90
301C	1	19	95	.522	320	258.00
3010C	1/0	19	95	.560	395	326.00
3020C	2/0	19	95	.605	488	411.00
3030C	3/0	19	95	.655	604	518.00
3040C	4/0	19	95	.715	750	653.00
30250C	250 MCM	37	110	.793	895	772.00
30300C	300 MCM	37	110	.850	1056	926.00
30350C	350 MCM	37	110	.897	1228	1081.00
30400C	400 MCM	37	110	.948	1390	1235.00
30500C	500 MCM	37	110	1.029	1722	1544.00
30600C	600 MCM	61	125	1.137	2070	1853.00
30750C	750 MCM	61	125	1.248	2558	2309.00

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ADC

ADVANCED DIGITAL CABLE INC.

SPECIALTY WIRE

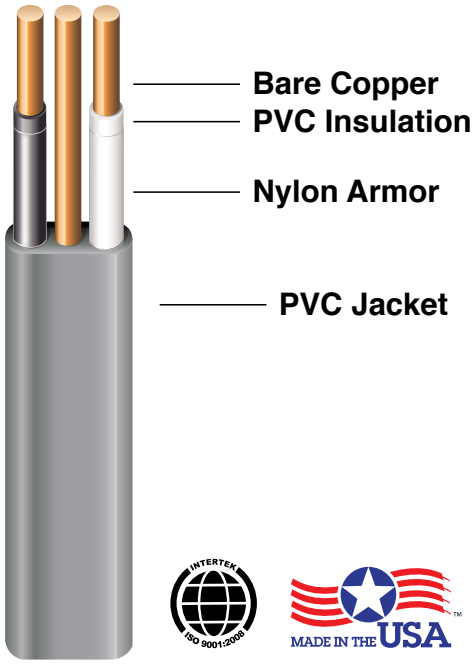
Specialty Wire

Photovoltaic Wire

UF-B - SPECIALTY WIRE

PVC Insulated with an Overall PVC Jacket

14 - 10 AWG • 600 Volts • 75°C Dry and Wet



CABLE IDENTIFICATION

"XX AWG 2 CDR WITH XX AWG GROUND
(UL) TYPE UF-B 600V SUNLIGHT RESISTANT
E316973"

DESCRIPTION

ADC's UFB is PVC/Nylon insulated in a flat configuration with an overall PVC jacket.

APPLICATIONS

For use underground, wet, dry, or corrosive locations as specified by NEC 300.5. Generally used as a feeder for outdoor pumps and lighting.

CONSTRUCTION

PVC/Nylon insulation over annealed solid copper conductor. Available with or without ground. Gray PVC Sunlight Resistant extruded over assembly.

INDUSTRY LISTINGS & STANDARDS

UL 83
UL 493
ASTM-B3
NEC - Article 340
RoHS

Cable Data

Part Number	AWG	Insulation Thickness	Nylon Thickness	Ground	Jacket Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
1402UFB	14	15	5	14	30	.168 x .400	60.0	37.5
1202UFB	12	15	5	12	30	.185 x .450	94.5	59.5
1002UFB	10	20	5	10	30	.215 x .515	155.7	94.7
1402UF	14	15	5	-	30	.168 x .354	43.6	25.0
1202UF	12	15	5	-	30	.185 x .386	70.8	39.7
1002UF	10	20	5	-	30	.215 x .440	119.5	63.1

Cross-Linked Polyethylene Insulated
18 - 2 AWG • 600 Volts

DESCRIPTION

ADC's SIS is a single conductor stranded tinned copper insulated with thermosetting, chemically cross-linked polyethylene.

APPLICATIONS

Suitable for use in switchboard wiring as well as panel boards, distribution boards and industrial control panels.

CONSTRUCTION

Conductors: Tin Plated Copper. Bare Copper available upon request.

Insulation: Thermosetting chemically cross-linked polyethylene per UL 44

Colors: Gray, Black, Red, White and Green

INDUSTRY LISTINGS & STANDARDS

18-16 AWG UL Style 3173 - -40°C to 125°C Non VW-1
14-2 AWG SIS - -40°C to 90°C
VW-1 Rated on 14 AWG and larger
Gasoline and Oil Resistant II - GRII
Sunlight Resistant - SR
RoHS Compliant

CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE INC. XX AWG XLP (UL) TYPE SIS XHHW-2 VW-1 90C 600V GRII SR E218985---RoHS"
18-16 AWG
"ADC XX AWG XLP E178258B U AWM 3173 125C 600V OR 3237 105C 1000V - CSA 188472 CL1251 600V OR AWM I A/B 125C 600V FT2 -- SUITABLE FOR "SWITCHBOARD WIRE"

Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	UL Style
A7318-16T	18	16/30	30	.111	10	3173/3343
A7316-26T	16	26/30	30	.119	13	3173/3343
SIS-214	14	41/30	30	.134	19	SIS
SIS-212	12	65/30	30	.153	23	SIS
SIS-210	10	105/30	30	.180	41	SIS
SIS-208	8	133/29	45	.259	68	SIS
SIS-206	6	133/27	45	.320	104	SIS
SIS-204	4	133/25	45	.359	157	SIS
SIS-202	2	133/23	45	.430	241	SIS

TRANSFORMER RISER WIRE - SPECIALTY WIRE

High Molecular Weight Polyethylene Insulated
8-4 AWG • Solid Bare Copper

CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE, INC XX AWG TRANSFORMER RISER WIRE MADE IN THE USA"

DESCRIPTION

ADC's Transformer Riser Wire is a single conductor, solid or stranded soft drawn copper insulated with high molecular weight polyethylene insulation.

APPLICATIONS

Appropriate for use in reducing faults caused by cross leads, vibrations and atmospheric conditions.

CONSTRUCTION

Conductors: Annealed solid or stranded bare copper per ASTM B3. Class B Stranding per ASTM B8.
Insulation: High Molecular Weight Polyethylene
Colors: Black

INDUSTRY LISTINGS & STANDARDS

ASTM - All applicable standards
ANSI/ICEA S-70-547

Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
608SHLPE	8	Solid	110	.348	84	50.2
606SHLPE	6	Solid	110	.382	118	79.8
604SHLPE	4	Solid	110	.424	172	126.9

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Polyethylene Insulated
6 AWG - 500 MCM • 75°C

CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE, INC. XX AWG
LINE WIRE 75C"

DESCRIPTION

ADC's Weather Resistant Line Wire is insulated with a high molecular weight polyethylene.

APPLICATIONS

Overhead distribution systems where protection from environmental elements is required.

CONSTRUCTION

Soft, Medium Hard, or Hard Drawn bare copper with weather resistant high molecular weight polyethylene insulation.

INDUSTRY LISTINGS & STANDARDS

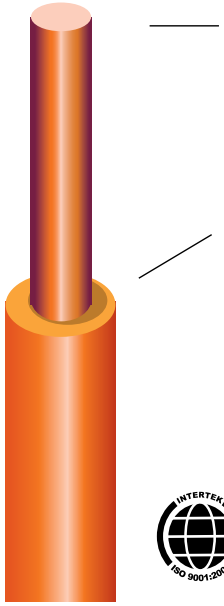
ASTM B-1 Hard Drawn
ASTM B-2 Medium Hard-Drawn
ASTM B-3 Soft Drawn
ASTM B-8 Concentric-Lay Stranded Copper Conductors
ICEA S-70-547
75°C Rated

Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
106SHMPE	6	Solid	30	.222	87	79.46
106HMPE	6	Stranded	30	.244	90	81.00
104SHMPE	4	Solid	30	.264	136	127.00
104HMPE	4	Stranded	30	.292	141	128.90
103SHMPE	3	Solid	45	.319	175	160.00
102SHMPE	2	Solid	45	.348	219	201.80
102HMPE	2	Stranded	45	.382	227	204.90
101HMPE	1	Stranded	45	.418	284	258.00
1010HMPE	1/0	Stranded	60	.493	364	326.00
1020HMPE	2/0	Stranded	60	.539	454	411.00
1030HMPE	3/0	Stranded	60	.590	567	518.00
1040HMPE	4/0	Stranded	60	.648	708	653.00
10250HMPE	250	Stranded	60	.695	834	772.00
10300HMPE	300	Stranded	60	.750	994	926.00
10350HMPE	350	Stranded	60	.801	1157	1081.00
10500HMPE	500	Stranded	80	.973	1661	1544.00

PIPELINE TRACER WIRE - SPECIALTY WIRE

Bare Copper Conductor High Density Polyethylene Insulated
14-8 AWG • 75°C Dry and Wet



CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE INC Size AWG
PIPELINE TRACER/TONE WIRE"

DESCRIPTION

ADC's Pipeline Tracer Wire has a bare copper conductor covered with a high density polyethylene insulation.

APPLICATIONS

Appropriate for direct burial or within plastic pipe to aid in the detection and tracing of underground pipe systems. Excellent for resisting abrasion, crush, chemical, oil and moisture.

CONSTRUCTION

Conductors: Soft annealed solid copper per ASTM B-3.

Insulation: High density, high molecular weight polyethylene providing resistance to moisture and abrasion.

Colors: Black, Brown, Orange, Yellow, Green, White, Red, Gray, Blue. Print on one side with a contrasting ink. An extruded stripe is available upon request.

INDUSTRY LISTINGS & STANDARDS

75°C Wet/Dry
Direct Burial
Moisture Resistant
Chemical Resistant
Oil Resistant
Impact, Crush, and Abrasion Resistant.
ASTM B-3
Sequential Footage Printed

Cable Data

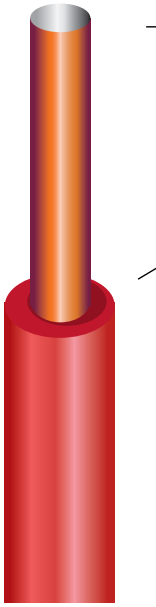
Part Number	AWG	Insulation Thickness (mils) 30v/600v	Nominal O.D. (inch) 30/45 mils	Approximate Ship Weight lbs/1M' 30/45 mils
114/114-45	14	30/45	.124/.154	16/19
112/112-45	12	30/45	.141/.171	24/27
110/110-45	10	30/45	.162/.192	37/40
108/108-45	8	30/45	.188/.218	56/60

Conductor Data

Size AWG	Tensile psi	Breakload lbf
14	38,500	124
12	38,500	197
10	38,500	313
8	37,000	479

Copper Clad Steel Conductor High Density Polyethylene Insulated

14 - 8 AWG • 75°C Dry and Wet



CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE INC Size AWG
PIPELINE TRACER/TONE WIRE"

DESCRIPTION

ADC's Pipeline Tracer Wire has a flexible 21% IACS copper clad steel conductor covered with a high density polyethylene insulation.

APPLICATIONS

Appropriate for direct burial or within plastic pipe to aid in the detection and tracing of underground pipe systems. Excellent for resisting abrasion, crush, chemical, oil and moisture.

CONSTRUCTION

Conductors: 21% IACS conductivity, flexible, low carbon steel bonded with copper cladding. Conforms to ASTM B-910.

Insulation: High density, high molecular weight polyethylene providing resistance to moisture and abrasion.

Colors: Black, Brown, Orange, Yellow, Green, White, Red, Gray, Blue. Print on one side with a contrasting ink. An extruded stripe is available upon request.

INDUSTRY LISTINGS & STANDARDS

75°C Wet/Dry
ASTM B-910
Direct Burial
Moisture Resistant
Chemical Resistant
Oil Resistant
Impact, Crush, and Abrasion Resistant.
Sequential Footage Printed

Cable Data

Part Number	AWG	Insulation Thickness (mils) 30v/600v	Nominal O.D. (inch) 30/45 mils	Approximate Ship Weight lbs/1M' 30/45 mils
114CCS/114CCS-45	14	30/45	.124/.154	15/18
112CCS/112CCS-45	12	30/45	.141/.171	22/25
110CCS/110CCS-45	10	30/45	.162/.192	34/37

Conductor Data

Size AWG	Diameter inch	Temper	Steel Grade	Copper Grade lbf	Min. Break Load psi	Min. Tensile Strength % lbs/mft	Min. Elongation Ω/mft	Nominal Weight	Nominal DCR at 20° C
14	0.0641	Hard	1010	102	387	120000	15%	11.17	12.01947
12	0.0808	Hard	1010	102	615	120000	15%	17.75	7.564472
10	0.1019	Hard	1010	102	979	120000	15%	28.23	4.756122

CATHODIC PROTECTION - SPECIALTY WIRE

High Molecular Weight Polyethylene
14 - 4/0 AWG • 600 Volts • 75°C Dry and Wet

CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE INC Size AWG
HMWPE Cathodic Protection Cable 600V 75C"

DESCRIPTION

ADC's cathodic protection cable is insulated with black high molecular weight polyethylene (HMWPE) compound which gives this cable excellent abrasion, crush, chemical, oil and moisture resistance.

APPLICATIONS

Appropriate for use in direct burial cathodic protection systems.

CONSTRUCTION

Conductors: Annealed stranded bare copper per ASTM B3. Class B Stranding per ASTM B 8.

Insulation: High molecular weight polyethylene (HMWPE)*.
*HMWPE is available in High, Medium and Low Density

Colors: Black with print on one side with a contrasting ink. Other colors and Sequential foot markings available upon request.

INDUSTRY LISTINGS & STANDARDS

75°C Dry/Wet
Direct Burial
ASTM D-1248
RoHS Compliant

Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Nominal Diameter (inches)	Approximate Net Weight lbs/1M'
214HLPE	14	7	110	.293	40
212HLPE	12	7	110	.312	50
210HLPE	10	7	110	.335	66
208HLPE	8	7	110	.366	89
206HLPE	6	7	110	.412	134
204HLPE	4	7	110	.452	181
202HLPE	2	7	110	.512	267
201HLPE	1	19	125	.582	327
2010HLPE	1/0	19	125	.623	413
2020HLPE	2/0	19	125	.669	504
2030HLPE	3/0	19	125	.720	622
2040HLPE	4/0	19	125	.778	769

Halar™ / High Molecular Weight Polyethylene

14 - 4/0 AWG • 600 Volts • 75°C Dry and Wet

CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE INC Size AWG ECTFE/HMWPE Cathodic Protection Cable 600V"

DESCRIPTION

ADC's ECTFE cathodic protection cable has a Halar™ insulation combined with a high molecular weight polyethylene final insulation.

APPLICATIONS

Appropriate for use in cathodic protection systems that require a deep anode lead wire where chlorine and hydrogen gases are generated. This cable can be installed directly in fresh, brackish or salt water.

CONSTRUCTION

Conductors: Annealed stranded bare copper per ASTM B3. Class B Stranding per ASTM B 8.

Insulation: ECTFE (Halar™) insulation with HMWPE* final insulation overcoat. *HMWPE is available in High, Medium and Low Density

Colors: Black with print on one side with a contrasting ink. Other colors and Sequential foot markings available upon request.

INDUSTRY LISTINGS & STANDARDS

75°C Dry/Wet
Direct Burial
ASTM D-1248
RoHS Compliant

Cable Data

Part Number	AWG	Strand	ECTFE Insulation Thickness (mils)	HMWPE Insulation Thickness (mils)	Nominal Diameter (inches)	Approximate Net Weight lbs/1M'
214HHPE	14	7	20	65	.243	43
212HHPE	12	7	20	65	.262	47
210HHPE	10	7	20	65	.286	64
208HHPE	8	7	20	65	.316	81
206HHPE	6	7	20	65	.354	128
204HHPE	4	7	20	65	.402	173
202HHPE	2	7	20	65	.462	256
201HHPE	1	19	20	65	.502	319
2010HHPE	1/0	19	20	65	.543	393
2020HHPE	2/0	19	20	65	.589	487
2030HHPE	3/0	19	20	65	.640	601
2040HHPE	4/0	19	20	65	.695	749

Halar™ is a registered Trademark of Solvay

CATHODIC PROTECTION - SPECIALTY WIRE

Kynar™ / High Molecular Weight Polyethylene

14 - 4/0 AWG • 600 Volts • 75°C Dry and Wet

CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE INC Size AWG PVDF/HMWPE Cathodic Protection Cable 600V"

DESCRIPTION

ADC's PVDF cathodic protection cable has a Kynar™ insulation combined with a high molecular weight polyethylene final insulation.

APPLICATIONS

Appropriate for use in cathodic protection systems that require a deep anode lead wire where chlorine and hydrogen gases are generated. This cable can be installed directly in fresh, brackish or salt water.

CONSTRUCTION

Conductors: Annealed stranded bare copper per ASTM B3. Class B Stranding per ASTM B 8.

Insulation: PVDF (Kynar™) insulation with HMWPE* final insulation overcoat. *HMWPE is available in High, Medium and Low Density

Colors: Black with print on one side with a contrasting ink. Other colors and Sequential foot markings available upon request.

INDUSTRY LISTINGS & STANDARDS

75°C Dry/Wet
Direct Burial
ASTM D-1248
RoHS Compliant

Cable Data

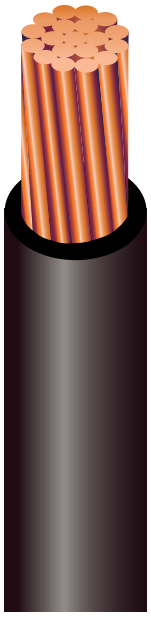
Part Number	AWG	Strand	ECTFE Insulation Thickness (mils)	HMWPE Insulation Thickness (mils)	Nominal Diameter (inches)	Approximate Net Weight lbs/1M'
214KHPE	14	7	20	65	.243	45
212KHPE	12	7	20	65	.262	49
210KHPE	10	7	20	65	.286	66
208KHPE	8	7	20	65	.316	83
206KHPE	6	7	20	65	.354	130
204KHPE	4	7	20	65	.402	175
202KHPE	2	7	20	65	.462	258
201KHPE	1	19	20	65	.502	320
2010KHPE	1/0	19	20	65	.543	395
2020KHPE	2/0	19	20	65	.589	489
2030KHPE	3/0	19	20	65	.640	611
2040KHPE	4/0	19	20	65	.695	752

Kynar™ is a registered Trademark of Arkema

600 V RATED UL 4703 - PV PHOTOVOLTAIC WIRE

Cross-Linked Polyethylene Insulated

18 - 750 MCM • 600 Volts • -40°C to 90°C Wet or Dry



DESCRIPTION

ADC's ***Solarlink*** brand Photovoltaic cable has a chemically cross-linked polyethylene insulation.

APPLICATIONS

For use in grounded interconnection and ungrounded Photovoltaic power systems.

CONSTRUCTION

Conductors: Stranded bare copper conductor per ASTM B-3, B-8. Available in 7 or 19 stranded versions as well as tinned copper.

Insulation: Chemically Cross-linked polyethylene

Colors: Black, Green, White, Red. Print on one side with a contrasting ink. An extruded stripe and other colors are available upon request.

INDUSTRY LISTINGS & STANDARDS

UL Listed as Photovoltaic Cable per Standard Subject 4703 and 44
CSA Listed RPVU90
-40°C/90°C Wet or Dry Rated
Gasoline and Oil Resistant II
RoHS Compliant
Sunlight Resistant
VW-1 Rated

CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE INC. XX AWG (UL) PV WIRE 600V 90°C WET OR DRY (-40C) SUN RES UV RATED VW-1 OR RHW-2 DIRECT BURIAL RoHS E324841"

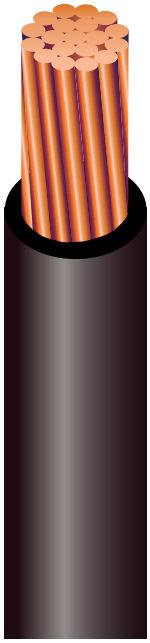
Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
318PV	18	7	60	.166	14	5.40
316PV	16	7	60	.178	18	7.97
314PV	14	7	60	.193	24	12.78
312PV	12	7	60	.212	33	20.20
310PV	10	7	60	.237	48	32.05
308PV	8	7	75	.297	76	51.05
306PV	6	7	75	.335	110	80.90
304PV	4	7	75	.384	164	128.90
303PV	3	7	75	.412	200	162.50
302PV	2	7	75	.444	246	204.90
301PV	1	19	95	.482	320	258.00
3010PV	1/0	19	95	.563	393	326.00
3020PV	2/0	19	95	.609	485	411.00
3030PV	3/0	19	95	.660	601	518.00
3040PV	4/0	19	95	.718	684	653.00
30250PV	250 MCM	37	110	.795	929	772.00
30300PV	300 MCM	37	110	.850	1097	926.00
30350PV	350 MCM	37	110	.901	1268	1081.00
30400PV	400 MCM	37	110	.948	1436	1235.00
30500PV	500 MCM	37	110	1.033	1768	1544.00
30600PV	600 MCM	61	110	1.113	2097	1853.00
30750PV	750 MCM	61	110	1.218	2587	2309.00

1kV RATED UL 4703 - PV PHOTOVOLTAIC WIRE

Cross-Linked Polyethylene Insulated

18 - 750 MCM • 1000 Volts • -40°C to 90°C Wet or Dry



CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE INC. XX AWG (UL) PV WIRE 1000V OR RHW-2 2000V OR USE-2 600V 90°C WET OR DRY (-40C) SR GRII VW-1 DIRECT BURIAL RoHS E324841"

DESCRIPTION

ADC's ***Solarlink*** brand Photovoltaic cable has a chemically cross-linked polyethylene insulation.

APPLICATIONS

Appropriate for use in solar power applications that require 1,000 volt rating. For use in grounded interconnection and ungrounded Photo-voltaic power systems.

CONSTRUCTION

Conductors: Stranded bare copper conductor per ASTM B-3, B-8. Available in 7 or 19 stranded versions as well as tinned copper.

Insulation: Chemically Cross-linked polyethylene

Colors: Black, Green, White, Red. Print on one side with a con-trasting ink. An extruded stripe and other colors are available upon request.

INDUSTRY LISTINGS & STANDARDS

UL Listed as Photovoltaic Cable per Standard Subject 4703 and 44
CSA Listed RPVU90
-40°C/90°C Wet or Dry Rated
Gasoline and Oil Resistant II
RoHS Compliant
Sunlight Resistant
VW-1 Rated

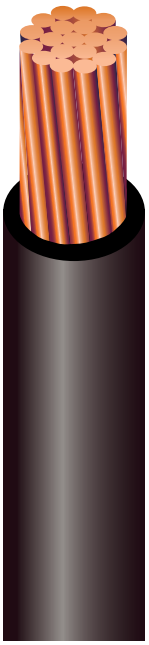
Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
3181PV	18	7	75	.198	22.81	5.40
3161PV	16	7	75	.208	26.8	7.97
3141PV	14	7	75	.223	33.73	12.78
3121PV	12	7	75	.242	43.84	20.20
3101PV	10	7	75	.266	59.09	32.05
3081PV	8	7	85	.316	88.12	51.05
3061PV	6	7	85	.354	124.06	80.90
3041PV	4	7	85	.402	179.76	128.90
3031PV	3	7	85	.430	217.86	162.50
3021PV	2	7	85	.462	265.39	204.90
3011PV	1	19	105	.542	344.62	258.00
30101PV	1/0	19	105	.583	420.75	326.00
30201PV	2/0	19	105	.629	514.86	411.00
30301PV	3/0	19	105	.680	631.97	518.00
30401PV	4/0	19	105	.738	778.47	653.00
302501PV	250 MCM	37	120	.815	.943.00	772.00
303001PV	300 MCM	37	120	.870	1113.00	926.00
303501PV	350 MCM	37	120	.921	1284.00	1091.00
304001PV	400 MCM	37	120	.968	1453.00	1235.00
305001PV	500 MCM	37	120	1.053	1793.00	1544.00
306001PV	600 MCM	61	135	1.163	2146.00	1853.00
307501PV	750 MCM	61	135	1.268	2640.00	2309.00

2kV RATED UL 4703 - PV PHOTOVOLTAIC WIRE

Cross-Linked Polyethylene Insulated

18 - 750 MCM • 2000 Volts • -40°C to 90°C Wet or Dry



DESCRIPTION

ADC's ***Solarlink*** brand Photovoltaic cable has a chemically cross-linked polyethylene insulation.

APPLICATIONS

Appropriate for use in solar power applications that require 1,000 volt rating. For use in grounded interconnection and ungrounded Photo-voltaic power systems.

CONSTRUCTION

Conductors: Stranded bare copper conductor per ASTM B-3, B-8. Available in 7 or 19 stranded versions as well as tinned copper.

Insulation: Chemically Cross-linked polyethylene

Colors: Black, Green, White, Red. Print on one side with a con-trasting ink. An extruded stripe and other colors are available upon request.

INDUSTRY LISTINGS & STANDARDS

UL Listed as Photovoltaic Cable per Standard Subject 4703 and 44
CSA Listed RPVU90
-40°C/90°C Wet or Dry Rated
Gasoline and Oil Resistant II
RoHS Compliant
Sunlight Resistant
VW-1 Rated

CABLE IDENTIFICATION

"ADVANCED DIGITAL CABLE INC. XX AWG (UL) PV WIRE 2KV 90°C WET OR DRY (-40C) SUN RES UV RATED VW-1 OR RHW-2 DIRECT BURIAL RoHS E324841"

Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
3182PV	18	7	75	.198	22.81	5.40
3162PV	16	7	75	.208	26.80	7.97
3142PV	14	7	75	.223	33.73	12.78
3122PV	12	7	75	.242	43.84	20.20
3102PV	10	7	75	.266	59.09	32.05
3082PV	8	7	85	.316	88.12	51.05
3062PV	6	7	85	.354	124.06	80.90
3042PV	4	7	85	.402	179.76	128.90
3032PV	3	7	85	.430	217.86	162.50
3022PV	2	7	85	.462	265.39	204.90
3012PV	1	19	105	.542	344.62	258.00
30102PV	1/0	19	105	.583	420.75	326.00
30202PV	2/0	19	105	.629	514.86	411.00
30302PV	3/0	19	105	.680	631.97	518.00
30402PV	4/0	19	105	.738	778.47	653.00
302502PV	250 MCM	37	120	.815	943.00	772.00
303002PV	300 MCM	37	120	.870	1113.00	926.00
303502PV	350 MCM	37	120	.921	1284.00	1081.00
304002PV	400 MCM	37	120	.968	1453.00	1235.00
305002PV	500 MCM	37	120	1.053	1793.00	1544.00
306002PV	600 MCM	61	135	1.163	2146.00	1853.00
307502PV	750 MCM	61	135	1.268	2640.00	2309.00

DUAL PASS 600 V RATED UL 4703 - PV PHOTOVOLTAIC WIRE

Cross-Linked Polyethylene Insulated • PVC Jacketed

18 - 750 MCM • 600 Volts • 105°C Dry and 90°C Wet

Bare Copper

XLPE Insulation

PVC Jacket

CABLE IDENTIFICATION

18-16 AWG:
"ADVANCED DIGITAL CABLE INC. XX AWG (UL) PV WIRE 600V 90C WET OR 105C DRY SUN RES UV RATED VW-1
DIRECT BURIAL RoHS E324841"

14 AWG-750 MCM:
"ADVANCED DIGITAL CABLE INC. XX AWG (UL) PV WIRE 600V 90C WET OR 105C DRY SUN RES UV RATED VW-1 OR RHW-2 DIRECT BURIAL RoHS E324841"

DESCRIPTION

ADC's ***Solarlink*** brand Photovoltaic cable has a chemically cross-linked polyethylene insulation with a sunlight resistant PVC jacket..

APPLICATIONS

Appropriate for use in solar power applications that require 600 volt rating. For use in grounded interconnection and ungrounded Photo-voltaic power systems.

CONSTRUCTION

Conductors: Stranded bare copper conductor per ASTM B-3, B-8. Avail-able in 7 or 19 stranded versions as well as tinned copper.

Insulation: White Chemically Cross-linked polyethylene with colored sunlight resistant PVC jacket.

Colors: Black, Green, White, Red. Print on one side with a con-trasting ink. An extruded stripe and other colors are available upon request.

INDUSTRY LISTINGS & STANDARDS

UL Listed as Photovoltaic Cable per Standard Subject 4703 and 44
90°C Wet/105°C Dry Rated
Gasoline and Oil Resistant II
RoHS Compliant
Sunlight Resistant
VW-1 Rated

Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Jacket Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
318DPV	18	7	45	30	.196	21.00	5.40
316DPV	16	7	45	30	.208	25.00	7.97
314DPV	14	7	45	30	.221	33.00	12.78
312DPV	12	7	45	30	.240	43.00	20.20
310DPV	10	7	45	30	.264	56.00	32.05
308DPV	8	7	60	30	.324	90.00	51.05
306DPV	6	7	60	30	.361	125.00	80.90
304DPV	4	7	60	30	.409	183.00	128.90
303DPV	3	7	60	30	.440	218.00	162.50
302DPV	2	7	60	30	.469	267.00	204.90
301DPV	1	19	80	30	.552	350.00	258.00
3010DPV	1/0	19	80	30	.593	428.00	326.00
3020DPV	2/0	19	80	30	.639	524.00	411.00
3030DPV	3/0	19	80	30	.690	644.00	518.00
3040DPV	4/0	19	80	30	.748	794.00	653.00
30250DPV	250 MCM	37	95	30	.825	948.00	772.00
30300DPV	300 MCM	37	95	30	.880	1,118.00	926.00
30350DPV	350 MCM	37	95	30	.931	1,289.00	1081.00
30400DPV	400 MCM	37	95	30	.978	1,458.00	1235.00
30500DPV	500 MCM	37	95	30	1.063	1,794.00	1544.00
30600DPV	600 MCM	61	110	30	1.173	2158.00	1853.00
30750DPV	750 MCM	61	110	30	1.278	2654.00	2309.00

DUAL PASS 1kV RATED UL 4703 - PV PHOTOVOLTAIC WIRE

Cross-Linked Polyethylene Insulated • PVC Jacketed

18 - 750 MCM • 1000 Volts • 105°C Dry and 90°C Wet

Bare Copper

XLPE Insulation

PVC Jacket

DESCRIPTION

ADC's ***Solarlink*** brand Photovoltaic cable has a chemically cross-linked polyethylene insulation with a sunlight resistant PVC jacket..

APPLICATIONS

Appropriate for use in solar power applications that require 1,000 volt rating. For use in grounded interconnection and ungrounded Photo-voltaic power systems.

CONSTRUCTION

Conductors: Stranded bare copper conductor per ASTM B-3, B-8. Avail-able in 7 or 19 stranded versions as well as tinned copper.

Insulation: White Chemically Cross-linked polyethylene with colored sunlight resistant PVC jacket.

Colors: Black, Green, White, Red. Print on one side with a con-trasting ink. An extruded stripe and other colors are available upon request.

INDUSTRY LISTINGS & STANDARDS

UL Listed as Photovoltaic Cable per Standard Subject 4703 and 44
90°C Wet/105°C Dry Rated
Gasoline and Oil Resistant II
RoHS Compliant
Sunlight Resistant
VW-1 Rated

CABLE IDENTIFICATION

18-16 AWG:
"ADVANCED DIGITAL CABLE INC. XX AWG (UL) PV WIRE 1KV 90C WET OR 105C DRY SUN RES UV RATED VW-1
DIRECT BURIAL RoHS E324841"

14 AWG-750 MCM:
"ADVANCED DIGITAL CABLE XX AWG (UL) PV WIRE 1KV 90C WET OR 105C DRY SUN RES UV RATED VW-1 OR RHW-2
DIRECT BURIAL RoHS E324841"

Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Jacket Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
3181DPV	18	7	60	30	.226	27.00	5.40
3161DPV	16	7	60	30	.238	32.00	7.97
3141DPV	14	7	60	30	.251	39.00	12.78
3121DPV	12	7	60	30	.270	49.00	20.20
3101DPV	10	7	60	30	.294	65.00	32.05
3081DPV	8	7	70	30	.344	95.00	51.05
3061DPV	6	7	70	30	.381	130.00	80.90
3041DPV	4	7	70	30	.429	188.00	128.90
3031DPV	3	7	70	30	.460	229.00	162.50
3021DPV	2	7	70	30	.489	277.00	204.90
3011DPV	1	19	90	30	.572	360.00	258.00
30101DPV	1/0	19	90	30	.613	437.00	326.00
30201DPV	2/0	19	90	30	.659	535.00	411.00
30301DPV	3/0	19	90	30	.710	655.00	518.00
30401DPV	4/0	19	90	30	.768	806.00	653.00
302501DPV	250 MCM	37	105	30	.845	962.00	772.00
303001DPV	300 MCM	37	105	30	.900	1133.00	926.00
303501DPV	350 MCM	37	105	30	.951	1305.00	1081.00
304001DPV	400 MCM	37	105	30	.998	1475.00	1235.00
305001DPV	500 MCM	37	105	30	1.083	1810.00	1544.00
306001DPV	600 MCM	61	120	30	1.193	2179.00	1853.00
307501DPV	750 MCM	61	120	30	1.298	2676.00	2309.00

DUAL PASS 2kV RATED UL4703 - PV PHOTOVOLTAIC WIRE

Cross-Linked Polyethylene Insulated • PVC Jacketed

18 - 750 MCM • 2000 Volts • 105°C Dry and 90°C Wet

Bare Copper

XLPE Insulation

PVC Jacket

DESCRIPTION

ADC's ***Solarlink*** brand Photovoltaic cable has a chemically cross-linked polyethylene insulation with a sunlight resistant PVC jacket..

APPLICATIONS

Appropriate for use in solar power applications that require 2,000 volt rating. For use in grounded interconnection and ungrounded Photo-voltaic power systems.

CONSTRUCTION

Conductors: Stranded bare copper conductor per ASTM B-3, B-8. Avail-able in 7 or 19 stranded versions as well as tinned copper.

Insulation: White Chemically Cross-linked polyethylene with colored sunlight resistant PVC jacket.

Colors: Black, Green, White, Red. Print on one side with a con-trasting ink. An extruded stripe and other colors are available upon request.

INDUSTRY LISTINGS & STANDARDS

UL Listed as Photovoltaic Cable per Standard Subject 4703 and 44
90°C Wet/105°C Dry Rated
Gasoline and Oil Resistant II
RoHS Compliant
Sunlight Resistant
VW-1 Rated

CABLE IDENTIFICATION

18-16 AWG:
"ADVANCED DIGITAL CABLE INC. XX AWG (UL) PV WIRE 2KV 90C WET OR 105C DRY SUN RES UV RATED VW-1
DIRECT BURIAL RoHS E324841"

14 AWG-750 MCM:
"ADVANCED DIGITAL CABLE INC. XX AWG (UL) PV WIRE 2KV 90C WET OR 105C DRY SUN RES UV RATED VW-1 OR RHW-2 DIRECT BURIAL RoHS E324841"

Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Jacket Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
3182DPV	18	7	60	30	.226	27.00	5.40
3162DPV	16	7	60	30	.238	32.00	7.97
3142DPV	14	7	60	30	.251	39.00	12.78
3122DPV	12	7	60	30	.270	49.00	20.20
3102DPV	10	7	60	30	.294	65.00	32.05
3082DPV	8	7	70	30	.344	95.00	51.05
3062DPV	6	7	70	30	.381	130.00	80.90
3042DPV	4	7	70	30	.429	188.00	128.90
3032DPV	3	7	70	30	.460	229.00	162.50
3022DPV	2	7	70	30	.489	277.00	204.90
3012DPV	1	19	90	30	.572	360.00	258.00
30102DPV	1/0	19	90	30	.613	437.00	326.00
30202DPV	2/0	19	90	30	.659	535.00	411.00
30302DPV	3/0	19	90	30	.710	655.00	518.00
30402DPV	4/0	19	90	30	.768	806.00	653.00
302502DPV	250 MCM	37	105	30	.845	962.00	772.00
303002DPV	300 MCM	37	105	30	.900	1133.00	926.00
303502DPV	350 MCM	37	105	30	.951	1305.00	1081.00
304002DPV	400 MCM	37	105	30	.998	1475.00	1235.00
305002DPV	500 MCM	37	105	30	1.083	1810.00	1544.00
306002DPV	600 MCM	61	120	30	1.193	2179.00	1853.00
307502DPV	750 MCM	61	120	30	1.298	2676.00	2309.00

Color Code Chart

ICEA Method E1(K-1)

Cond. #	Base Color	First Stripe Color	Second Stripe Color
1	Black	-	-
2	White	-	-
3	Red	-	-
4	Green	-	-
5	Orange	-	-
6	Blue	-	-
7	White	Black	-
8	Red	Black	-
9	Green	Black	-
10	Orange	Black	-
11	Blue	Black	-
12	Black	White	-
13	Red	White	-
14	Green	White	-
15	Blue	White	-
16	Black	Red	-
17	White	Red	-
18	Orange	Red	-
19	Blue	Red	-
20	Red	Green	-
21	Orange	Green	-
22	Black	White	Red
23	White	Black	Red
24	Red	Black	White
25	Green	Black	White

Pair cables are Black, White and numbered. Triad cables are Black, White, Red and numbered.

ICEA Method E2(K-2)

Cond. #	Base Color	Tracer Color
1	Black	-
2	Red	-
3	Blue	-
4	Orange	-
5	Yellow	-
6	Brown	-
7	Red	Black
8	Blue	Black
9	Orange	Black
10	Yellow	Black
11	Brown	Black
12	Black	Red
13	Blue	Red
14	Orange	Red
15	Yellow	Red
16	Brown	Red
17	Black	Blue
18	Red	Blue
19	Orange	Blue
20	Yellow	Blue
21	Brown	Blue
22	Black	Orange
23	Red	Orange
24	Blue	Orange
25	Yellow	Orange

Pair cables are Black, Red and numbered. Triad cables are Black, Red, Blue and numbered. There are no Green or White conductors or stripes.

Method 4 - All Conductors Black

Conductor	Conductor Printing
1st	"1 - One"
2nd	"2 - Two"
3rd	"3 - Three"
4th	"4 - Four"
5th	"5 - Five"

PART NUMBER INDEX

PART NUMBER INDEX

Part Number	Page Number
1002UFB	50
100321SD	35
100421SD	35
100521SD	35
100621SD	35
100721SD	35
100821SD	35
100921SD	35
1010HMPE	53
101121SD	35
101121SD	35
101221SD	35
101HMPE	53
1020HMPE	53
10250HMPE	53
102HMPE	53
102SHMPE	53
10300HMPE	53
1030HMPE	53
10350HMPE	53
103SHMPE	53
1040HMPE	53
104HMPE	53
104SHMPE	53
10500HMPE	53
106HMPE	53
106SHMPE	53
108/108-45	54
110-110-45	54
110CCS/110CCS-45	55
112/112-45	54
112CCS/112CCS-45	55
114/114-45	54
114CCS/114CCS-45	55
12001POS	5
12001TOS	9
12002POS	5
12002SPOS	7
12002STOS	11
12002TOS	9
12004POS	5
12004SPOS	7
12004STOS	11
12004TOS	9
12008SPOS	7
12008STOS	11
12008TOS	9
12012POS	5
12012SPOS	7
12012STOS	11
12012TOS	9
12016POS	5
12016SPOS	7
120221F	35
120221SD	35
1202UF	50
1202UFB	50
120321SD	35
120421SD	35
120521SD	35
120621SD	35
120721SD	35
120821SD	35
120921SD	35
121021SD	35
121121SD	35
121221SD	35
140221SD	35
14022F	35
1402UF	50
140321SD	35

Part Number	Page Number
1403UFB	50
140421SD	35
140521SD	35
140621SD	35
140721SD	35
140821SD	35
140921SD	35
141021SD	35
141121SD	35
141221SD	35
16001POS	5
16001TOS	9
16002POS	5
16002SPOS	7
16002STOS	11
16002TOS	9
16004POS	5
16004SPOS	7
16004STOS	11
16004TOS	9
16008SPOS	7
16008STOS	11
16008TOS	9
16012POS	5
16012SPOS	7
16012STOS	11
16012TOS	9
16016POS	5
16016SPOS	7
18001POS	5
18001TOS	9
18002POS	5
18002SPOS	7
18002STOS	11
18002TOS	9
18004POS	5
18004SPOS	7
18004STOS	11
18004TOS	9
18008SPOS	7
18008STOS	11
18008TOS	9
18012POS	5
18012SPOS	7
18012STOS	11
18012TOS	9
18016POS	5
18016SPOS	7
2010CT	40
2010CT	47
2010HHPE	57
2010HLPE	56
2010KHPE	58
201HHPE	57
201HLPE	56
201KHPE	58
2020CT	40
2020CT	47
2020HHPE	57
2020HLPE	56
2020KHPE	58
20250CT	40
20250CT	47
202HHPE	57
202HLPE	56
202KHPE	58
20300CT	40
20300CT	47
2030CT	40
2030CT	47
2030HHPE	57

Part Number	Page Number
2030HLPE	56
2030KHPE	58
20350CT	40
20350CT	47
20400CT	40
20400CT	47
2040CT	40
2040CT	47
2040HHPE	57
2040HLPE	56
2040KHPE	58
204HHPE	57
204HLPE	56
204KHPE	58
204S	41
20500CT	40
20500CT	47
20600CT	40
20600CT	47
206HHPE	57
206HLPE	56
206KHPE	58
206S	41
20750CT	40
20750CT	47
208HHPE	57
208HLPE	56
208KHPE	58
208S	41
210HHPE	57
210HLPE	56
210KHPE	58
210S	41
212HHPE	57
212HLPE	56
212KHPE	58
212S	41
214HHPE	57
214HLPE	56
214KHPE	58
214S	41
30101DPV	63
30101PV	60
30102DPV	64
30102PV	61
3010C	48
3010DPV	62
3010PV	59
3010RH	43
3011DPV	63
3011PV	60
3012DPV	64
3012PV	61
301C	48
301DPV	62
301PV	59
301RH	43
30201DPV	63
30201PV	60
30202DPV	64
30202PV	61
3020C	48
3020DPV	62
3020PV	59
3020RH	43
3021DPV	63
3021PV	60
3022DPV	64
3022PV	61
302501DPV	63
302501PV	60

Part Number	Page Number
302502DPV	64
302502PV	61
30250C	48
30250DPV	62
30250PV	59
30250RH	43
302C	48
302DPV	62
302PV	59
302RH	43
303001DPV	63
303001PV	60
303002DPV	64
303002PV	61
30300C	48
30300DPV	62
30300PV	59
30300RH	43
30301DPV	63
30301PV	60
30302DPV	64
30302PV	61
3030C	48
3030DPV	62
3030PV	59
3030RH	43
3031DPV	63
3031PV	60
3032DPV	64
3032PV	61
303501DPV	63
303501PV	60
303502DPV	64
303502PV	61
30350C	48
30350DPV	62
30350PV	59
30350RH	43
303C	48
303DPV	62
303PV	59
303RH	43
304001DPV	63
304001PV	60
304002DPV	64
304002PV	61
30400C	48
30400DPV	62
30400PV	59
30400RH	43
30401DPV	63
30401PV	60
30402DPV	64
30402PV	61
3040C	48
3040DPV	62
3040PV	59
3040RH	43
3041DPV	63
3041PV	60
3042DPV	64
3042PV	61
304C	48
304DPV	62
304PV	59
304RH	43
305001DPV	63
305001PV	60
305002DPV	64
305002PV	61
30500C	48

Part Number	Page Number
30500DPV	62
30500PV	59
30500RH	43
306001DPV	63
306001PV	60
306002DPV	64
306002PV	61
30600C	48
30600DPV	62
30600PV	59
30600RH	43
3061DPV	63
3061PV	60
3062DPV	64
3062PV	61
306C	48
306DPV	62
306PV	59
306RH	43
307501DPV	63
307501PV	60
307502DPV	64
307502PV	61
30750C	48
30750DPV	62
30750PV	59
30750RH	43
3081DPV	63
3081PV	60
3082DPV	64
3082PV	61
308C	48
308DPV	62
308PV	59
308RH	43
3101DPV	63
3101PV	60
3102DPV	64
3102PV	61
310C	48
310DPV	62
310PV	59
310RH	43
3121DPV	63
3121PV	60
3122DPV	64
3122PV	61
312C	48
312DPV	62
312PV	59
312RH	43
3141DPV	63
3141PV	60
3142DPV	64
3142PV	61
314C	48
314DPV	62
314PV	59
314RH	43
3161DPV	63
3161PV	60
3162DPV	64
3162PV	61
316DPV	62
316PV	59
3181DPV	63
3181PV	60
3182DPV	64
3182PV	61
318DPV	62
318PV	59

PART NUMBER INDEX

Part Number	Page Number
412S	45
414S	45
416S	45
418S	45
50202B	29
50202F	29
50203B	29
50204B	29
50402B	29
50402F	29
50403B	29
50404B	29
50602B	29
50602F	29
50603B	29
50604B	29
50802B	29
50802F	29
50803B	29
50804B	29
508S	44
5102B	29
5102SD	27
5103B	29
5103SD	27
5104B	29
5104SD	27
5105SD	27
5106SD	27
5107SD	27
5108SD	27
5109SD	27
510S	44
51102SD	33
51103SD	33
51104SD	33
51105SD	33
51106SD	33
51107SD	33
51108SD	33
51109SD	33
5110SD	27
51110SD	33
51112SD	33
51115SD	33
51119SD	33
51120SD	33
5112SD	27
5115SD	27
5119SD	27
51202SD	33
51203SD	33
51204SD	33
51205SD	33
51206SD	33
51207SD	33
51208SD	33
51209SD	33
5120SD	27
51210SD	33
51212SD	33
51215SD	33
51219SD	33
51225SD	33
512S	44
51402SD	33
51403SD	33
51404SD	33
51405SD	33
51406SD	33
51407SD	33

Part Number	Page Number
51408SD	33
51409SD	33
51410SD	33
51412SD	33
51415SD	33
51419SD	33
51425SD	33
514S	44
51602SD	33
51603SD	33
51604SD	33
51605SD	33
51606SD	33
51607SD	33
51608SD	33
51609SD	33
51610SD	33
51612SD	33
51615SD	33
51619SD	33
51625SD	33
51802SD	33
51803SD	33
51804SD	33
51805SD	33
51806SD	33
51807SD	33
51808SD	33
51809SD	33
51810SD	33
51812SD	33
51815SD	33
51819SD	33
51825SD	33
5202B	29
5202SD	27
5203B	29
5203SD	27
5204B	29
5204SD	27
5205SD	27
5206SD	27
5207SD	27
5208SD	27
5209SD	27
5210SD	27
5212SD	27
5215SD	27
5219SD	27
5225SD	27
5402SD	27
5403SD	27
5404SD	27
5405SD	27
5406SD	27
5407SD	27
5408SD	27
5409SD	27
5410SD	27
5412SD	27
5415SD	27
5419SD	27
5425SD	27
5602SD	27
5603SD	27
5604SD	27
5605SD	27
5606SD	27
5607SD	27
5608SD	27
5609SD	27

Part Number	Page Number
5610SD	27
5612SD	27
5615SD	27
5619SD	27
5625SD	27
5802SD	27
5803SD	27
5804SD	27
5805SD	27
5806SD	27
5807SD	27
5808SD	27
5809SD	27
5810SD	27
5812SD	27
5815SD	27
5819SD	27
5825SD	27
60202B	23
60202F	23
60203B	23
60204B	23
60402F	23
60403B	23
60404B	23
604SHLPE	52
60602B	23
60602F	23
60603B	23
60604B	23
606SHLPE	52
60802B	23
60802F	23
60803B	23
60804B	23
608SHLPE	52
6101SD	21
6102F	19
6102SD	21
6103B	23
6103SD	21
6104SD	21
6105SD	21
6106SD	21
6107SD	21
6108SD	21
6109SD	21
6110SD	21
6112SD	21
6115SD	21
6119SD	21
6120SD	21
6202F	19
6202SD	21
6203B	23
6203SD	21
6204SD	21
6205SD	21
6206SD	21
6207SD	21
6208SD	21
6209SD	21
6210SD	21
6212SD	21
6215SD	21
6219SD	21
6225SD	21
6402F	19
6402SD	21
6403SD	21
6404SD	21

Part Number	Page Number
6405SD	21
6406SD	21
6407SD	21
6408SD	21
6409SD	21
6410SD	21
6412SD	21
6415SD	21
6419SD	21
6425SD	21
6601POs	13
6601TOS	17
6602F	19
6602POS	13
6602SD	21
6602SPOS	15
6603POS	13
6603SD	21
6603SPOS	15
6604POS	13
6604SD	21
6604SPOS	15
6604TOS	17
6605SD	21
6606POS	13
6606SD	21
6606SPOS	15
6607SD	21
6608POS	13
6608SD	21
6608SPOS	15
6608TOS	17
6609SD	21
6610SD	21
6612POS	13
6612POS	15
6612SD	21
6612TOS	17
6615SD	21
6616POS	13
6616POS	15
6619SD	21
6625SD	21
6801POS	13
6801TOS	17
6802F	19
6802POS	13
6802SD	21
6802SPOS	15
6803POS	13
6803SD	21
6803SPOS	15
6804POS	13
6804SD	21
6804SPOS	15
6804TOS	17
6805SD	21
6806POS	13
6806SD	21
6806SPOS	15
6807SD	21
6808POS	13
6808SD	21
6808SPOS	15
6809SD	21
6810SD	21
6812POS	13
6812SD	21
6812SPOS	15
6812TOS	17
6812TOS	17

Part Number	Page Number
6815SD	21
6816POS	13
6816SPOS	15
6819SD	21
6825SD	21
A7316-26T	51
A7318-16T	51
BC0119S	46
BC027S	46
BC037S	46
BC047S	46
BC06	46
BC067S	46
BC08	46
BC087S	46
BC10	46
BC1019S	46
BC107S	46
BC12	46
BC14	46
BC2019S	46
BC25037S	46
BC30037S	46
BC3019S	46
BC40037S	46
BC4019S	46
BC50037S	46
BC60061S	46
BC75061S	46
SIS-202	51
SIS-204	51
SIS-206	51
SIS-208	51
SIS-210	51
SIS-212	51
SIS-214	51