

BUS DROP CABLE

PVC Insulation
PVC Jacket

APPLICATIONS:

For use as drop cable from overhead bus duct to floor machines. Installed quickly without use of conduit for fixed or temporary power. Easily disconnected and connected when machines are moved. Resistant to oil, grease, acids, cutting fluids and mechanical abuse.



SPECIFICATIONS:

1. CONDUCTOR: Stranded, bare, soft copper.
2. INSULATION: Polyvinyl chloride (PVC), color-coded black, white, red per UL 83.
3. ASSEMBLY: Three insulated conductors and three uninsulated ground wires are cabled together with one ground wire in each interstice, jute filled, wrapped with a suitable separator.
4. OVERALL JACKET: Gray polyvinyl chloride (PVC).
5. AMPACITY: Based on not more than three conductors in raceway or cable or earth per NEC 310-16 at a conductor temperature of 60°C and an ambient temperature of 30°C.
6. TEMPERATURE: 60°C
7. VOLTAGE: 600 Volts

Anixter Number	Cond. Size	Number of Strands	Number of Cond.	Ground Wires	Insulation Thick.	Overall Jacket Thick.	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Cond.
	AWG			No. x AWG	IN	IN	IN		
3X-1403-09	14	7	3	3 x 18	.030	.045	.400	120	20†
3X-1203-09	12	7	3	3 x 16	.030	.045	.440	165	25†
3X-1003-09	10	7	3	3 x 14	.030	.045	.500	230	30†
3X-0803-09	8	7	3	3 x 14	.045	.060	.670	265	40
3X-0603-09	6	7	3	3 x 14	.060	.060	.810	520	55
3X-0403-09	4	7	3	3 x 12	.060	.080	.950	810	70
3X-0203-09	2	7	3	3 x 12	.060	.080	1.100	1050	95

*Essex 2–8 AWG 1 GRD

† Unless otherwise permitted in the NEC, the overcurrent protection shall not exceed 15A for 14 AWG, 20A for 12 AWG and 30A for 10 AWG.

NOTE: Diameters and weights may vary between manufacturers.

EPR/HYPALON

**EPR Insulation
Hypalon Jacket
UL Listed**

APPLICATIONS:

Used for control and power applications in chemical plants, steel mills, industrial plants, utility sub-stations and generating stations, residential and commercial buildings. Suitable for aerial, duct or direct burial.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, tinned copper per ASTM B-3 and B-8.
2. INSULATION: Ethylene propylene rubber (EPR), per ICEA S-68-516 (NEMA WC8). Meets requirements for Type XHHW-2.
3. COLOR CODE: Conductors are coded per ICEA Method 4 (Printed numbers).
4. ASSEMBLY: Three insulated conductors together with one or three insulated green ground wires, cabled together with suitable fillers and wrapped with a clear mylar tape.
5. OVERALL JACKET: Sunlight resistant Hypalon (CSPE).
6. STANDARDS: Tested per UL requirements for Type TC cables having XHHW-2 conductors. Cables are listed for direct burial and meet the IEEE 383, UL 1277 and ICEA 210,000 BTU/hr flame tests. Individual conductors meet VW-1 flame test.
7. AMPACITY: Based on not more than three conductors in raceway or cable or earth per NEC 310-16 with an ambient temperature of 30°C and a conductor temperature of 90°C.
8. TEMPERATURE: 90°C
9. VOLTAGE: 600V

Anixter Number	Conductor Size	Number of Strands	Ground Wire	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		No. x AWG	IN	IN	IN		
3BE-0803	8	7	1 x 10	.045	.060	.710	355	55
3BE-0603	6	7	3 x 12	.045	.060	.740	470	75
3BE-0403	4	7	3 x 12	.045	.080	.880	727	95
3BE-0203	2	7	3 x 10	.045	.080	1.01	1010	130
3BE-0103	1	19	3 x 10	.055	.080	1.14	1190	150
3BE-1013	1/0	19	3 x 10	.055	.080	1.23	1510	170
3BE-2023	2/0	19	3 x 10	.055	.080	1.32	1850	195
3BE-3033	3/0	19	3 x 8	.055	.080	1.43	2500	225
3BE-4043	4/0	19	3 x 8	.055	.080	1.55	2790	260
3BE-2503	250	37	3 x 8	.065	.110	1.75	3350	290
3BE-3503	350	37	3 x 6	.065	.110	1.98	4650	350
3BE-5003	500	37	3 x 6	.065	.110	2.25	6770	430

NOTE: Diameters and weights may vary between manufacturers.

EPR/CPE

EPR Insulation
CPE Jacket
UL Listed



APPLICATIONS:

Used for control and power applications in chemical plants, steel mills, industrial plants, utility substations and generating stations, residential and commercial buildings. Suitable for aerial, duct or direct burial.

SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, tinned copper per ASTM B-3, B-33.
2. INSULATION: Ethylene propylene rubber (EPR), per ICEA S-68-516 (NEMA WC8). Meets UL 44 requirements for Type XHHW-2.
3. COLOR CODE: Conductors are color coded per ICEA Method 4 (Printed numbers).
4. ASSEMBLY: Conductors are cabled with a single UL ground wire and fillers where necessary to make round.
5. OVERALL JACKET: Sunlight resistant chlorinated polyethylene (CPE).
6. STANDARDS: Tested per UL requirements for Type TC cables having XHHW-2 conductors. Cables are listed for direct burial and meet the IEEE 383, UL 1277 and ICEA 210,000 BTU/hr flame tests. Individual conductors meet VW-1 flame test.
7. AMPACITY: Based on not more than three conductors in raceway or cable or earth with an ambient temperature of 30°C per NEC 310-16.
8. TEMPERATURE: 90°C
9. VOLTAGE: 600V

Anixter Number	Conductor Size	Number of Strands	Ground Wire Size	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		AWG	IN	IN	IN		
3MR-0803	8	7	10	.045	.060	.660	299	55
3MR-0603	6	7	8	.045	.060	.745	421	75
3MR-0403	4	7	8	.045	.080	.890	635	95
3MR-0203	2	7	6	.045	.080	1.02	925	130
3MR-0103	1	19	6	.055	.080	1.15	1158	150
3MR-1013	1/0	19	6	.055	.080	1.24	1403	170
3MR-2023	2/0	19	4	.055	.080	1.34	1709	195
3MR-3033	3/0	19	4	.055	.080	1.45	2094	225
3MR-4043	4/0	19	4	.055	.080	1.58	2575	260
3MR-2503	250	37	4	.065	.110	1.78	3126	290
3MR-3503	350	37	3	.065	.110	2.01	4219	350
3MR-5003	500	37	2	.065	.110	2.31	5843	430

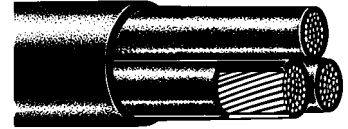
NOTE: Diameters and weights may vary between manufacturers.

SUBMERSIBLE PUMP CABLE

EPR Insulation
NBR/PVC Jacket
90°C, 600 Volts

APPLICATION:

For use as pump cable in power and control circuits.



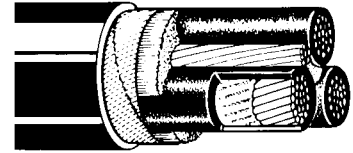
SPECIFICATIONS:

1. CONDUCTOR: Annealed, bare copper per ASTM B-3. Class B stranded per ASTM B-8.
2. INSULATION: Ethylene propylene rubber (EPR) conforming to ICEA S-68-516 (NEMA WC8). Color coded black, red, and yellow.
3. ASSEMBLY: Conductors cabled together without fillers and a suitable lay.
4. OVERALL JACKET: NBR/PVC per ICEA S-68-516.
5. AMPACITY: Based on an ambient temperature of 30°C per NEC 310-16.
6. TEMPERATURE: 90°C
7. VOLTAGE: 600 Volts

Anixter Number	Conductor Size	Number of Conductors	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approximate Weight. Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		IN	IN	IN		
4PC-0803	8	3	.045	.060	.640	346	55
4PC-0603	6	3	.045	.060	.730	520	75
4PC-0403	4	3	.045	.060	.870	715	95
4PC-0203	2	3	.045	.080	1.010	1015	130
4PC-0103	1	3	.055	.080	1.140	1340	150
4PC-1013	1/0	3	.055	.080	1.230	1600	170
4PC-2023	2/0	3	.055	.080	1.330	1925	195
4PC-3033	3/0	3	.055	.080	1.440	2310	225
4PC-4043	4/0	3	.055	.080	1.560	2865	260
4PC-2503	250	3	.065	.110	1.740	3245	290
4PC-3503	350	3	.065	.110	1.960	4365	350
4PC-5003	500	3	.065	.110	2.230	5980	430

NOTE: Cables with ground wire are available upon request.
Diameters and weights may vary between manufacturers.

PVC-NYLON/PVC TRAY CABLE



PVC-Nylon Insulation
PVC Jacket
UL Listed, Type TC

APPLICATIONS:

Used for control and power applications in chemical plants, steel mills, industrial plants, utility substations and generating stations, residential and commercial buildings. Suitable for aerial, duct or direct burial.

SPECIFICATIONS:

1. CONDUCTOR: Class B stranded bare copper per ASTM B-3 and B-8.
2. INSULATION: Polyvinyl chloride (PVC), nylon armored per UL 83 for Type THHN/THWN.
3. COLOR CODE: Conductors are color coded per ICEA Method 4 (Printed numbers).
4. ASSEMBLY: Insulated conductors are cabled together with fillers as necessary to make round.
5. OVERALL JACKET: Sunlight resistant polyvinyl chloride (PVC) per UL 1277.
6. STANDARDS: Tested per UL requirements for Type TC cables having THWN or THHN conductors. Cables are listed for direct burial and meet the IEEE 383, UL 1277 and ICEA 210,000 BTU/hr flame tests.
7. AMPACITY: Based on not more than three conductors in raceway or cable or earth per NEC 310-16 with a conductor temperature of 90°C and an ambient temperature of 30°C. All 4-conductor values have been derated per the NEC.
8. TEMPERATURE: 90°C
9. VOLTAGE: 600V

Anixter Number	Conductor Size	Number of Strands	Number of Conductors	Overall Jacket Thickness	Nominal O.D.	Approximate Weight. Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil			IN	IN		
3G-0803	8	7	3	.060	.600	283	55
3G-0804	8	7	4	.060	.658	352	44
3G-0603	6	7	3	.060	.684	400	75
3G-0604	6	7	4	.060	.752	506	60
3G-0403	4	7	3	.080	.876	653	95
3G-0404	4	7	4	.080	.963	828	76
3G-0203	2	7	3	.080	1.005	948	130
3G-0204	2	7	4	.080	1.107	1206	104
3G-1013	1/0	19	3	.080	1.231	1436	170
3G-1014	1/0	19	4	.080	1.360	1850	136
3G-2023	2/0	19	3	.080	1.328	1750	195
3G-2024	2/0	19	4	.080	1.469	2345	156
3G-4043	4/0	19	3	.110	1.556	2610	260
3G-4044	4/0	19	4	.110	1.784	3480	208
3G-2503	250	37	3	.110	1.762	3190	290
3G-2504	250	37	4	.110	1.948	4119	232
3G-3503	350	37	3	.110	1.983	4150	350
3G-3504	350	37	4	.110	2.196	5530	280
3G-5003	500	37	3	.110	2.259	5980	430
3G-5004	500	37	4	.110	2.505	7668	344

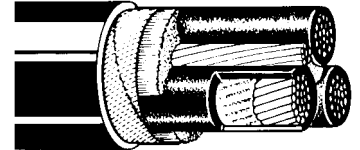
NOTE: For constructions with ground wire add WG to Anixter No. (e.g., 3G-0203WG).
Diameters and weights may vary between manufacturers.

XLP/PVC TRAY CABLE

XLP Insulation
PVC Jacket
UL Listed, Type TC

APPLICATIONS:

Used for control and power applications in chemical plants, steel mills, industrial plants, utility sub-stations and generating stations, residential and commercial buildings. Suitable for aerial, duct or direct burial.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded bare copper per ASTM B-3 and B-8.
2. INSULATION: Crosslinked polyethylene (XLP) per UL 44 requirements for Type XHHW-2.
3. COLOR CODE: 12 & 10 AWG are color coded (Black, Red and Blue). 8 AWG and larger are colored black and numbered 1, 2, and 3.
4. ASSEMBLY: Three insulated conductors and one bare UL Class B stranded copper ground conductor are cabled together with suitable non-hygroscopic fillers and binder to make round.
5. OVERALL JACKET: Sunlight resistant polyvinyl chloride (PVC) per UL 1277.
6. STANDARDS: Tested per UL requirements for Type TC cables having XHHW-2 conductors. Cables are listed for direct burial and meet the IEEE 383 and UL 1277, 70,000 BTU/hr flame tests.
7. AMPACITY: Based on not more than three conductors in raceway or cable or earth per NEC 310-16. Based on an ambient temperature of 30°C and a conductor temperature of 90°C.
8. TEMPERATURE: 90°C
9. VOLTAGE: 600V

Anixter Number	Conductor Size	Number of Strands	Ground Wire Size	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		AWG	IN	IN	IN		
3H-1203	12	7	12	.030	.045	.490	110	30†
3H-1003	10	7	10	.030	.060	.500	232	40†
3H-0803	8	7	10	.045	.060	.660	320	55
3H-0603	6	7	8	.045	.060	.765	460	75
3H-0403	4	7	8	.045	.080	.885	665	95
3H-0203	2	7	6	.045	.080	1.020	980	130
3H-0103	1	19	6	.055	.080	1.130	1195	150
3H-1013	1/0	19	6	.055	.080	1.220	1440	170
3H-2023	2/0	19	6	.055	.080	1.315	1745	195
3H-3033	3/0	19	4	.055	.080	1.420	2180	225
3H-4043	4/0	19	4	.055	.080	1.545	2650	260
3H-2503	250	37	4	.065	.110	1.750	3190	290
3H-3503	350	37	3	.065	.110	1.970	4300	350
3H-5003	500	37	2	.065	.110	2.245	5910	430

† Unless otherwise permitted in the NEC, the overcurrent protection shall not exceed 20A for 12 AWG and 30A for 10 AWG.
NOTE: Diameters and weights may vary between manufacturers.

EPR/HYPALON

EPR Insulation
Hypalon Jacket
90°C Wet/Dry
UL Listed, VW-1

APPLICATIONS:

General purpose wiring for control, switchboard, lighting and power circuits in residential and commercial buildings, industrial plants and for utility substations, meters and generating plants.



SPECIFICATIONS:

1. CONDUCTOR: Tinned copper Class B stranding per ASTM B-8.
2. INSULATION: Ethylene propylene rubber (EPR) per ICEA S-68-516 (NEMA WC8).
3. OVERALL JACKET: Hypalon (CSPE).
4. STANDARDS: Cable is listed as Type USE-2 per UL 854 and RHH/RHW-2 per UL 44. Listed "FOR CT USE" in sizes 1/0 and larger. The completed cable passes the IEEE 383, 70,000 BTU/hr and VW-1 flame tests.
5. AMPACITY: Based on not more than three conductors in raceway or cable or earth per NEC 310-16 with an ambient temperature of 30°C.
6. TEMPERATURE: 90°C
7. VOLTAGE: 600V

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		IN	IN	IN		
3BE-1401	14*	7	.030	.015	0.17	25	25
3BE-1201	12	7	.030	.015	0.19	35	30
3BE-1001	10	7	.030	.015	0.21	50	40
3BE-0801	8	7	.045	.030	0.28	81	55
3BE-0601	6	7	.045	.030	0.35	130	75
3BE-0401	4	7	.045	.030	0.40	185	95
3BE-0201	2	7	.045	.030	0.46	275	130
3BE-0101	1	19	.055	.045	0.54	360	150
3BE-1011	1/0	19	.055	.045	0.59	440	170
3BE-2021	2/0	19	.055	.045	0.63	535	195
3BE-3031	3/0	19	.055	.045	0.68	655	225
3BE-4041	4/0	19	.055	.045	0.74	810	260
3BE-2501	250	37	.065	.065	0.85	990	290
3BE-3501	350	37	.065	.065	0.96	1335	350
3BE-5001	500	37	.065	.065	1.10	1850	430
3BE-7501	750	61	.080	.065	1.32	2720	535
3BE-10001	1000	61	.080	.065	1.47	3560	615

NOTE: Use color code suffixes when ordering (e.g., 3BE-1011-02).

Diameters and weights may vary between manufacturers.

NOTE: For a similar cable with more flexible (Class H) stranding and a single layer Hypalon insulation/jacket, use prefix 3BF when ordering.

XLP

XLP

90°C Wet/Dry

UL Listed

APPLICATIONS:

General purpose wiring for control, switchboard, lighting and power circuits in residential and commercial buildings, industrial plants and for utility substations, meters and generating plants.



SPECIFICATIONS:

1. CONDUCTOR: Bare copper Class B stranding per ASTM B-8.
2. INSULATION: Crosslinked polyethylene (XLP) per ICEA S-66-524 (NEMA WC8).
3. STANDARDS: Cable is listed as Type USE-2 per UL 854 and RHH/RHW-2 per UL 44.
4. AMPACITY: Based on not more than three conductors in raceway or cable or earth per NEC 310-16 with an ambient temperature of 30°C.
5. TEMPERATURE: 90°C
6. VOLTAGE: 600 Volts

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		IN	IN		
3B-1401	14*	7	.045	.170	25	25
3B-1201	12	7	.045	.188	31	30
3B-1001	10	7	.045	.212	45	40
3B-0801	8	7	.060	.273	72	55
3B-0601	6	7	.060	.311	107	75
3B-0401	4	7	.060	.359	161	95
3B-0201	2	7	.060	.419	244	130
3B-0101	1	19	.080	.491	312	150
3B-1011	1/0	19	.080	.532	386	170
3B-2021	2/0	19	.080	.578	478	195
3B-3031	3/0	19	.080	.629	594	225
3B-4041	4/0	19	.080	.687	739	260
3B-2501	250	37	.095	.769	882	290
3B-3501	350	37	.095	.875	1212	350
3B-5001	500	37	.095	1.007	1702	430
3B-7501	750	61	.110	1.250	2603	535
3B-10001	1000	61	.110	1.410	2880	615

NOTE: Use color code suffixes when ordering (e.g., 3B-2021-02).

Diameters and weights may vary between manufacturers.

Cables UL listed "for CT use" are available in sizes 1/0 and larger upon request.

1kV

Hypalon Insulation/Jacket
90°C, 1kV

APPLICATIONS:

Portable or fixed power cable for use in drilling rigs, diesel-electric locomotives, railroad and transit car wiring, where reliability is a prime concern. Also suitable for electrically-driven earth-moving equipment, water-heater leads, power and control jumpers, case wiring and motor leads.



SPECIFICATIONS:

1. CONDUCTOR: Extra flexible, tinned, annealed, stranded copper. A suitable separator is applied over the conductor.
2. OVERALL JACKET: Hypalon.
3. STANDARDS: Conforms to ICEA S-19-81 (NEMA WC3). Approved by the U.S. Coast Guard, and the American Bureau of Shipping for offshore drilling rig use. Sizes 4/0 and larger meet the IEEE 383 flame test.
4. TEMPERATURE: 90°C
5. VOLTAGE: 1kV

Anixter Number	Conductor Size	Approximate Size	Number of Strands	Insulation Thickness	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.
	Circular Mils	AWG/kcmil		IN	IN	
5L-1401	3,831	14	19	.062	.19	30
5L-1201	6,088	12	19	.062	.21	39
5L-1001	10,910	10	27	.062	.25	57
5L-0801	14,950	8	37	.078	.30	83
5L-0601	24,640	6	61	.078	.34	124
5L-0401	42,420	4	105	.078	.40	108
5L-0301	50,500	3	125	.078	.41	217
5L-0201	60,600	2	150	.078	.48	254
5L-0101	90,900	1	225	.094	.58	381
5L-1011	111,100	1/0	275	.094	.65	527
5L-2021	131,300	2/0	325	.094	.69	569
5L-3031	181,800	3/0	450	.094	.78	844
5L-4041	222,200	4/0	550	.094	.82	888
5L-2621	262,600	262.6	650	.109	.88	1006
5L-3131	313,100	313.1	775	.109	.96	1197
5L-3731	373,700	373.7	925	.109	1.01	1396
5L-4441	444,400	444.4	1100	.109	1.10	1652
5L-5351	535,300	535.3	1325	.125	1.23	2003
5L-6461	646,600	646.6	1600	.125	1.32	2357
5L-7771	777,700	777.7	1925	.125	1.38	2806

* Single conductor also available in Type W.

NOTE: For similar cables that are UL Listed see the 3BF and 5N Part number series. Diameters and weights may vary between manufacturers.

**UL and CSA also available.

2kV

EPR Insulation
Hypalon Jacket
90°C, 2kV
UL Listed and CSA Certified

APPLICATIONS:

Portable or fixed power cable for use in drilling rigs, diesel-electric locomotives, railroad and transit car wiring, where reliability is a prime concern. Also suitable for electrically-driven earth-moving equipment, water-heater leads, power and control jumpers, case wiring and motor leads.



SPECIFICATIONS:

1. CONDUCTOR: Extra flexible, tinned, annealed, stranded copper. Suitable separator may be used between conductor and insulation.
2. INSULATION: Ethylene propylene rubber (EPR) meeting requirements of ICEA S-68-516 (NEMA WC8).
3. OVERALL JACKET: Hypalon meeting requirements of ICEA S-68-516.
4. STANDARDS: U.S. Coast Guard, American Bureau of Shipping for offshore drilling rig use. Sizes 4/0 and larger meet the IEEE 383 flame test. UL Listed RHH/RHW. CSA Certified RW90.
5. TEMPERATURE: 90°C
6. VOLTAGE: 2kV

Anixter Number	Conductor Size	Approx. Size	Number of Strands	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approx. Weight Lbs. 1000 Ft.
	Circular Mils			IN	IN	IN	
5N-0801	14,950	8	37	.060	.030	.33	110
5N-0601	24,640	6	61	.060	.030	.41	150
5N-0401	42,420	4	105	.060	.030	.46	220
5N-0301	50,500	3	125	.060	.030	.48	245
5N-0201	60,600	2	150	.060	.030	.51	265
5N-0101	90,900	1	225	.080	.045	.65	420
5N-1011	111,100	1/0	275	.080	.045	.68	510
5N-2021	131,300	2/0	325	.080	.045	.72	570
5N-3031	181,800	3/0	450	.080	.045	.81	790
5N-4041	222,200	4/0	550	.080	.045	.84	900
5N-2621	262,600	262.6	650	.095	.065	.96	1100
5N-3131	313,100	313.1	775	.095	.065	1.04	1275
5N-3731	373,700	373.7	925	.095	.065	1.14	1520
5N-4441	444,400	444.4	1100	.095	.065	1.23	1800
5N-5351	535,300	535.3	1325	.110	.065	1.32	2120
5N-6461	646,400	646.4	1600	.110	.065	1.45	2530
5N-7771	777,700	777.7	1925	.110	.065	1.54	3050

* Single conductor also available in Type W.

NOTE: Diameters and weights may vary between manufacturers.

**UL and CSA also available.

THREE CONDUCTOR EPR/PVC

EPR Insulation
PVC Jacket
Non-Shielded
133% Insulation Level

APPLICATIONS:

For use in power circuits up to 5kV when installed in open air, conduit, duct, and for wet and dry locations. Used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations and generating stations.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, annealed, bare copper per ICEA S-68-516 (NEMA WC8).
2. CONDUCTOR SHIELD: Conductor is covered with an extruded conducting thermoset compound bonded to the insulation in accordance with ICEA S-68-516.
3. INSULATION: Ethylene propylene rubber (EPR). The insulated phase conductors are printed with the numerals "1", "2" and "3" for identification.
4. ASSEMBLY: The three conductors are cabled with a Class B stranded, uncoated copper grounding conductor and suitable fillers in compliance with UL Standard 1072. A binder tape is applied overall.
5. OVERALL JACKET: Sunlight resistant polyvinyl chloride (PVC) per ICEA S-68-516.
6. STANDARDS: Cable passes UL and IEEE 383 70,000 BTU/hr flame test and is listed "FOR CT USE." Listed by UL as Type MV-90 per Standard 1072.
7. AMPACITY: Based on three-conductor cable in isolated conduit in air per NEC Table 310-75 with a conductor temperature of 90°C and an ambient temperature of 40°C.
8. TEMPERATURE: 90°C
9. VOLTAGE: 5kV

Anixter Number	Conductor Size	Number of Strands	Ground Wire Size	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		AWG	IN	IN	IN		
3J-0603	6	7	6	.115	.080	1.20	770	69
3J-0403	4	7	6	.115	.080	1.30	1000	91
3J-0203	2	7	6	.115	.080	1.43	1315	125
3J-0103	1	19	4	.115	.080	1.52	1600	140
3J-1013	1/0	19	4	.115	.080	1.60	1750	165
3J-2023	2/0	19	4	.115	.110	1.77	2280	190
3J-3033	3/0	19	3	.115	.110	1.88	2650	220
3J-4043	4/0	19	3	.115	.110	2.00	3235	255
3J-2503	250	37	3	.115	.110	2.23	3700	280
3J-3503	350	37	2	.115	.110	2.35	4880	350
3J-5003	500	37	1	.115	.110	2.63	6640	425
3J-7503	750	61	1/0	.115	.140	3.14	9490	525

NOTE: Shielded version is available upon request.
Diameters and weights may vary between manufacturers.

EPR/HYPALON

**EPR Insulation
Hypalon Jacket
Non-Shielded**

APPLICATIONS:

For use in power circuits up to 5kV where shields cannot be properly terminated and where limited space is a consideration. Cable is used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations, and generating stations.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, annealed copper per ASTM B-3 and B-8. Strand shield is an extruded semiconducting compound per ICEA S-68-516 (NEMA WC8).
2. INSULATION: Ethylene Propylene Rubber (EPR) which meets or exceeds ICEA S-68-516, UL 1072, and NEC Art. 310. For wet or dry locations per UL 1072 and NEC Art. 310.
3. OVERALL JACKET: Hypalon (CSPE) per NEC Table 310-63.
4. STANDARDS: Listed by UL as Type MV-105 per Standard 1072 in wet and dry locations. Meets requirements of ICEA S-68-516. Sizes 1/0 and larger pass UL and IEEE 383 flame tests and are UL listed "FOR CT USE."
5. AMPACITY: Based on three single conductor cables in isolated conduit in air per NEC Table 310-73 with a conductor temperature of 90°C and an ambient temperature of 40°C.
6. TEMPERATURE: 90°C
7. VOLTAGE: 5kV

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		IN	IN	IN		
3DC-0601	6	7	.125	.080	.65	270	75
3DC-0401	4	7	.125	.080	.70	340	97
3DC-0201	2	7	.125	.080	.76	450	130
3DC-0101	1	19	.125	.080	.84	610	155
3DC-1011	1/0	19	.125	.080	.84	610	180
3DC-2021	2/0	19	.125	.080	.88	700	205
3DC-3031	3/0	19	.125	.095	.96	875	240
3DC-4041	4/0	37	.125	.095	1.02	1020	280
3DC-2501	250	37	.140	.110	1.13	1225	315
3DC-3501	350	37	.140	.110	1.23	1625	385
3DC-5001	500	37	.140	.110	1.37	2150	475
3DC-7501	750	61	.155	.125	1.62	3110	600
3DC-10001	1000	61	.155	.125	1.77	3800	690

NOTE: Diameters and weights may vary between manufacturers.

KERITE EPR/HYPALON HEAVY DUTY

**EPR Insulation
Hypalon Jacket
Non-Shielded**

APPLICATIONS:

For use in power circuits up to 5kV where shields cannot be properly terminated and where limited space is a consideration. Cable is used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations, and generating stations.



SPECIFICATIONS:

1. CONDUCTOR: Class B compressed stranded, annealed, tinned copper per ASTM B-3 and B-8.
2. INSULATION: Single permashield construction, which consists of a layer of high dielectric constant extruded nonconducting material over the conductor. Insulation is an extruded thermosetting ethylene propylene rubber (EPR) compound.
3. OVERALL JACKET: Thermosetting flame retardant compound of chlorosulfonated polyethylene (CSPE).
4. STANDARDS: Listed by UL as Type MV-105 per Standard 1072 in wet and dry locations. Meets requirements of ICEA S-68-516 (NEMA WC8). Each finished length of cable on a shipping reel passes an AC and DC voltage withstand test, applied for five minutes.
5. AMPACITY: Based on three single conductor cables in isolated conduit in air per NEC Table 310-73 with a conductor temperature of 90°C and an ambient temperature of 40°C.
6. TEMPERATURE: 90°C
7. VOLTAGE: 5kV

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		IN	IN	IN		
3DC-0601-K	6	7	.125	.080	.67	268	75
3DC-0401-K	4	7	.125	.080	.71	338	97
3DC-0201-K	2	7	.125	.080	.77	441	130
3DC-0101-K	1	19	.125	.080	.81	509	155
3DC-1011-K	1/0	19	.125	.080	.85	594	180
3DC-2021-K	2/0	19	.125	.095	.90	699	205
3DC-3031-K	3/0	19	.125	.095	.98	858	240
3DC-4041-K	4/0	37	.125	.095	1.04	1021	280
3DC-2501-K	250	37	.140	.110	1.16	1234	315
3DC-3501-K	350	37	.140	.110	1.26	1597	350
3DC-5001-K	500	37	.140	.110	1.39	2130	475
3DC-7501-K	750	61	.155	.125	1.66	3116	600
3DC-10001-K	1000	61	.155	.125	1.81	3976	690

XLP

XLP Non-Shielded

APPLICATIONS:

For use in power circuits up to 5kV where shields cannot be properly terminated or where limited space is a consideration. Cable is used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations, and generating stations.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, annealed, bare copper per ASTM B-3. Strand shield is a semiconducting material.
2. INSULATION/JACKET: Cross-linked polyethylene (XLP) per ICEA S-66-524 (NEMA WC7).
3. STANDARDS: Listed by UL as Type MV-90 per Standard 1072 in dry locations only. Meets requirements of ICEA S-66-524.
4. AMPACITY: Based on three single conductor cables in isolated conduit in air per NEC Table 310-73 with a conductor temperature of 90°C and an ambient temperature of 40°C.
5. TEMPERATURE: 90°C
6. VOLTAGE: 5kV

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		IN	IN		
3C-0801	8	7	.110	.39	90	55
3C-0601	6	7	.110	.42	125	75
3C-0401	4	7	.110	.47	180	97
3C-0201	2	7	.110	.53	260	130
3C-0101	1	19	.110	.57	325	155
3C-1011	1/0	19	.110	.62	400	180
3C-2021	2/0	19	.110	.66	490	205
3C-3031	3/0	19	.110	.71	605	240
3C-4041	4/0	19	.110	.77	750	280
3C-2501	250	37	.120	.83	890	315
3C-3501	350	37	.120	.94	1215	385
3C-5001	500	37	.120	1.05	1695	475
3C-7501	750	61	.130	1.27	2500	600
3C-10001	1000	61	.130	1.43	3320	690

NOTE: Diameters and weights may vary between manufacturers.

UNISHIELD EPR/CPE

EPR Insulation
CPE Jacket
Shielded (Unishield)
133% Insulation Level

APPLICATIONS:

For use in power circuits up to 5kV when installed in open air, conduit, duct, or buried direct in earth, for wet and dry locations. Used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations, and generating stations.



SPECIFICATIONS:

1. CONDUCTOR: Class B compact stranded, annealed, bare copper per ASTM B-3 and B-496. Strand shield is an extruded semiconducting compound.
2. INSULATION: Ethylene propylene rubber (EPR) per ICEA S-68-516 (NEMA WC8).
3. SHIELD SYSTEM: Combination of six copper drain wires and extruded semiconducting chlorinated polyethylene (CPE) jacket.
4. STANDARDS: Completed cable meets IEEE 383 flame test requirements. 1/0 and larger marked "FOR CT USE." Listed by UL as Type MV-105. Meets the requirements of ICEA S-68-516.
5. AMPACITY: Based on three single conductor cables in isolated conduit in air per NEC Table 310-73 with a conductor temperature of 90°C and an ambient temperature of 40°C.
6. TEMPERATURE: 90°C
7. VOLTAGE: 5kV

Anixter Number	Cond. Size	Number of Strands	Insul. Thick.	Nominal Insul. O.D.	Shield Drain Wire	Overall Jacket Thick.	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Cond.
	AWG/kcmil		IN	IN	AWG	IN	IN		
3USA-0201	2	7	.115	.53	20	.075	.71	422	130
3USA-1011	1/0	19	.115	.60	20	.075	.79	573	180
3USA-2021	2/0	19	.115	.64	20	.075	.84	687	205
3USA-4041	4/0	19	.115	.74	19	.080	.94	974	280
3USA-2501	250	37	.115	.79	18	.080	1.02	1141	315
3USA-3501	350	37	.115	.88	18	.080	1.12	1500	385
3USA-5001	500	37	.115	1.01	17	.085	1.25	2036	475
3USA-7501	750	61	.115	1.18	17	.085	1.43	2905	600
3USA-10001	1000	61	.115	1.38	16	.100	1.62	3800	690

EPR/PVC COPPER TAPE SHIELD

EPR Insulation
PVC Jacket
Shielded
100% & 133% Insulation Level

APPLICATIONS:

For use in power circuits up to 5kV when installed in open air, conduit, duct, or buried direct in earth, for wet and dry locations. Used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations, and generating stations.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, annealed bare copper per ASTM B-3 and B-8. Strand shield is an extruded semiconducting compound.
2. INSULATION: Ethylene propylene rubber (EPR) per ICEA S-68-516 (NEMA WC8).
3. INSULATION SHIELD: Semiconducting layer with a 5 mil helically applied bare copper tape per ICEA.
4. OVERALL JACKET: Sunlight resistant, black polyvinyl chloride (PVC) meeting the requirements of ICEA.
5. STANDARDS: Listed by UL as Type MV-105 per Standard 1072. Sizes 1/0 and larger marked "FOR CT USE."
6. Based on three single conductor cables in isolated conduit in air per NEC Table 310-73 with a conductor temperature of 90°C and an ambient temperature of 40°C.
7. TEMPERATURE: 90°C
8. VOLTAGE: 5kV

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Nominal Insulation O.D.	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		IN	IN	IN	IN		
3DE-0601	6	7	.090	.38	.060	.61	215	75
3DE-0401	4	7	.090	.42	.060	.66	275	97
3DE-0201	2	7	.090	.48	.060	.72	370	130
3DE-0101	1	19	.090	.52	.060	.75	500	155
3DE-1011	1/0	19	.090	.56	.060	.80	525	180
3DE-2021	2/0	19	.090	.60	.080	.88	625	205
3DE-3031	3/0	19	.090	.65	.080	.93	785	240
3DE-4041	4/0	19	.090	.71	.080	.99	955	280
3DE-2501	250	37	.090	.76	.080	1.03	1080	315
3DE-3501	350	37	.090	.86	.080	1.14	1420	385
3DE-5001	500	37	.090	.99	.080	1.27	1935	475
3DE-7501	750	61	.090	1.17	.080	1.46	2780	600
3DE-10001	1000	61	.090	1.32	.080	1.63	3590	690

NOTE: Diameters and weights may vary between manufacturers.

EPR/PVC COPPER TAPE SHIELD HEAVY DUTY

EPR Insulation
PVC Jacket
Shielded
133% Insulation Level



APPLICATIONS:

For use in power circuits up to 5kV when installed in open air, conduit, duct or buried directly in the earth, for wet and dry locations. Used for power

applications in chemical plants, refineries, steel mills, industrial plants, utility substations and generating stations.

SPECIFICATIONS:

1. **CONDUCTOR:** Class B stranded, annealed, bare copper per ASTM B-3 and B-8. (Compact stranding per ASTM B-496 is available.) Strand shield is an extruded conducting thermosetting compound.
2. **INSULATION:** Ethylene propylene rubber (EPR) with a minimum thickness not less than 90% of that specified in ICEA. Physical and electrical properties are in accordance with ICEA S-68-516 (NEMA WC8).
3. **INSULATION SHIELD:** Over the insulation is an extruded conducting, thermosetting insulation shield. Metallic shield is a helically applied 5 mil uncoated copper tape.
4. **OVERALL JACKET:** Sunlight resistant, black polyvinyl chloride (PVC), meeting the requirements of ICEA and UL 1072.
5. **STANDARDS:** Listed by UL as Type MV-105 per Standard 1072. Meets the requirements of ICEA S-68-516. Sizes 1/0 and larger marked "FOR CT USE."
6. **AMPACITY:** Based on three single conductor cables in isolated conduit in air per NEC Table 310-73 with a conductor temperature of 90°C and an ambient temperature of 40°C.
7. **TEMPERATURE:** 90°C
8. **VOLTAGE:** 5kV

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Nominal Insulation O.D.	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		IN	IN	IN	IN		
3DA-0601	6	7	.115	.47	.060	.67	295	75
3DA-0401	4	7	.115	.51	.060	.73	375	97
3DA-0201	2	7	.115	.57	.060	.78	470	130
3DA-0101	1	19	.115	.61	.060	.82	565	155
3DA-1011	1/0	19	.115	.65	.080	.91	670	180
3DA-2021	2/0	19	.115	.69	.080	.96	780	205
3DA-3031	3/0	19	.115	.74	.080	1.02	910	240
3DA-4041	4/0	19	.115	.80	.080	1.05	1085	280
3DA-2501	250	37	.115	.86	.080	1.11	1225	315
3DA-3501	350	37	.115	.96	.080	1.21	1500	385
3DA-5001	500	37	.115	1.09	.080	1.36	2130	475
3DA-7501	750	61	.115	1.28	.080	1.55	3025	600
3DA-10001	1000	61	.115	1.43	.110	1.75	3980	690

NOTE: Cables with compact stranding have slightly smaller overall diameters. Diameters and weights may vary between manufacturers.

KERITE EPR/PVC COPPER TAPE SHIELD

EPR Insulation
PVC Jacket
Shielded
133% Insulation Level

APPLICATIONS:

For use in power circuits up to 5kV when installed in open air, conduit, duct or buried directly in the earth, for wet and dry locations. Used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations and generating stations.



SPECIFICATIONS:

1. CONDUCTOR: Class B compressed stranded, annealed, tinned copper per ASTM B-3 and B-8.
2. INSULATION: Single permashield, which consists of a layer of high dielectric constant extruded material over the conductor. Insulation is an extruded thermosetting ethylene propylene rubber (EPR) compound.
3. INSULATION SHIELD: Helically applied, bare copper tape over semiconducting layer.
4. OVERALL JACKET: Sunlight resistant, black polyvinyl chloride (PVC).
5. STANDARDS: Each finished length of cable on a shipping reel passes an AC voltage withstand test applied for five minutes. Listed by UL as Type MV-105 per Standard 1072. Meets the requirements of ICEA S-68-516 (NEMA WC8). Sizes 1/0 and larger marked "FOR CT USE."
6. AMPACITY: Based on three single conductor cables in isolated conduit in air per NEC Table 310-73 with a conductor temperature of 90°C and an ambient temperature of 40°C.
7. TEMPERATURE: 90°C
8. VOLTAGE: 5kV

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Nominal Insulation O.D.	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		IN	IN	IN	IN		
3DA-0601-K	6	7	.115	.47	.060	.66	277	75
3DA-0401-K	4	7	.115	.52	.060	.69	348	97
3DA-0201-K	2	7	.115	.58	.060	.74	453	130
3DA-0101-K	1	19	.115	.62	.060	.78	523	155
3DA-1011-K	1/0	19	.115	.66	.060	.82	608	180
3DA-2021-K	2/0	19	.115	.70	.080	.91	752	205
3DA-3031-K	3/0	19	.115	.74	.080	.96	885	240
3DA-4041-K	4/0	19	.115	.81	.080	1.02	1049	280
3DA-2501-K	250	37	.115	.86	.080	1.07	1198	315
3DA-3501-K	350	37	.115	.97	.080	1.18	1560	385
3DA-5001-K	500	37	.115	1.10	.080	1.21	2089	475
3DA-7501-K	750	61	.115	1.30	.080	1.51	2976	600
3DA-10001-K	1000	61	.115	1.45	.080	1.66	3824	690

URD CABLE ALUMINUM CONDUCTOR JACKETED

**XLP Insulation,
Full Concentric Neutral
LLDPE Jacket
100% Insulation Level**

APPLICATIONS:

For use on single-phase or three-phase primary underground distribution systems.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded aluminum (1350) conductor is covered with a semi-conducting material.
2. INSULATION: Crosslinked polyethylene (XLP) per ICEA S-66-524 (NEMA WC7) and AEIC CS5.
3. INSULATION SHIELD: Extruded semiconducting material.
4. CONCENTRIC NEUTRAL: Annealed, bare copper spirally applied over the insulation shield per ICEA.
5. OVERALL JACKET: Linear low density polyethylene (LLDPE) per ICEA.
6. STANDARDS: Tested in accordance with AEIC CS5 and ICEA S-66-524.
7. TEMPERATURE: 90°C
8. VOLTAGE: 5kV

Anixter Number	Conductor Size	Insulation Thickness	Nom. Diameters Over		Neutral Wires		Nominal O.D.	Approx. Wt. Lbs 1000 Ft.
			Insulation	Insulation Shield				
	AWG/kcmil	IN	IN	IN	No.	AWG	IN	
3KJ-0401	4	.090	0.43	0.50	10	16	0.73	290
3KJ-0201	2	.090	0.48	0.55	16	16	0.79	390
3KJ-0101	1	.090	0.52	0.59	20	16	0.82	460
3KJ-1001	1/0	.090	0.56	0.63	25	16	0.90	570
3KJ-2001	2/0	.090	0.60	0.67	32	16	0.95	680
3KJ-3001	3/0	.090	0.65	0.72	25	14	1.03	820
3KJ-4001	4/0	.090	0.70	0.77	32	14	1.08	990
3KJ-2501	250	.090	0.75	0.82	25	12	1.17	1180
3KJ-3501	350	.090	0.85	0.92	32	12	1.26	1500

NOTE: Tree retardant XLP or EPR insulations available upon request.
Diameters and weights may vary between manufacturers.

URD CABLE COPPER CONDUCTOR JACKETED

XLP Insulation
Concentric Neutral
LLDPE Jacket
100% Insulation Level



APPLICATIONS:

For use on single-phase or three-phase primary underground distribution systems.

SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, annealed, bare copper. Conductor is covered with a semi-conducting material.
2. INSULATION: Cross-linked polyethylene (XLP) per ICEA S-66-524 (NEMA WC7) and AEIC CS5.
3. INSULATION SHIELD: Extruded semiconducting material.
4. CONCENTRIC NEUTRAL: Annealed bare copper spirally applied over the insulation shield per ICEA.
5. OVERALL JACKET: Linear low density polyethylene (LLDPE) per ICEA.
6. STANDARDS: Tested in accordance with AEIC CS5 and ICEA S-66-524.
7. TEMPERATURE: 90°C
8. VOLTAGE: 5kV

Anixter Number	Conductor Size	Insulation Thickness	Nom. Diameters Over		Concentric Wires		Nominal O.D.	Approx Wt. Lbs 1000 Ft.
			Insulation	Insulation Shield				
	AWG/kcmil	IN	IN	IN	No.	AWG	IN	
3JJ-0401	4	.090	0.43	0.50	16	16	0.74	440
3JJ-0201	2	.090	0.49	0.56	25	16	0.79	620
3JJ-0101	1	.090	0.53	0.59	32	16	0.87	790
3JJ-1011	1/0	.090	0.56	0.63	25	14	0.93	950
3JJ-2021	2/0	.090	0.60	0.67	20	12	1.01	1170
3JJ-3031	3/0	.090	0.65	0.72	25	12	1.06	1420
3JJ-4041	4/0	.090	0.70	0.77	20	10	1.15	1760

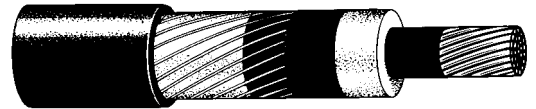
NOTE: Diameters and weights may vary between manufacturers.

XLP/PVC WIRE SHIELD

XLP Insulation
PVC Jacket
Shielded
100% & 133% Insulation Level

APPLICATIONS:

For use in power circuits up to 5kV when installed in open air, conduit, duct, or buried direct in earth, for wet and dry locations. Used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations, and generating stations.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, annealed, bare copper per ASTM B-3 and B-8. Strand shield is an extruded semi-conducting compound.
2. INSULATION: Cross-linked polyethylene (XLP) per ICEA S-66-524 (NEMA WC7).
3. INSULATION SHIELD: Semi-conducting layer with copper shielding wires meeting the requirements of ICEA S-66-524.
4. OVERALL JACKET: Sunlight resistant, black polyvinyl chloride (PVC) in accordance with ICEA S-66-524.
5. STANDARDS: Listed by UL as Type MV-90 cable per Standard 1072. Meets requirements of ICEA S-66-524.
6. AMPACITY: Based on three single conductor cables in isolated conduit in air per NEC Table 310-73 with a conductor temperature of 90°C and an ambient temperature of 40°C.
7. TEMPERATURE: 90°C
8. VOLTAGE: 5kV

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Nominal Insulation O.D.	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		IN	IN	IN	IN		
3D-0601	6	7	.090	.38	.060	.60	195	75
3D-0401	4	7	.090	.42	.060	.65	255	97
3D-0201	2	7	.090	.48	.060	.70	345	130
3D-0101	1	19	.090	.52	.060	.74	405	155
3D-1011	1/0	19	.090	.56	.060	.78	485	180
3D-2021	2/0	19	.090	.60	.080	.87	620	205
3D-3031	3/0	19	.090	.65	.080	.92	735	240
3D-4041	4/0	19	.090	.71	.080	.98	890	280
3D-2501	250	37	.090	.76	.080	1.02	1025	315
3D-3501	350	37	.090	.86	.080	1.13	1360	385
3D-5001	500	37	.090	.99	.080	1.25	1860	475
3D-7501	750	61	.090	1.17	.080	1.44	2790	600
3D-10001	1000	61	.090	1.32	.080	1.58	3550	690

NOTE: Diameters and weights may vary between manufacturers.

UNISHIELD EPR/CPE

EPR Insulation
CPE Jacket
Shielded (Unishield)
100% Insulation Level

APPLICATIONS:

For use in power circuits up to 15kV when installed in open air, conduit, duct, or buried direct in earth, for wet and dry locations. Used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations, and generating stations.



SPECIFICATIONS:

1. CONDUCTOR: Class B compact stranded, annealed, bare copper per ASTM B-3 and B-496. Strand shield is an extruded semiconducting compound.
2. INSULATION: Ethylene propylene rubber (EPR) per ICEA S-68-516 (NEMA WC8).
3. SHIELD SYSTEM: Combination of six copper drain wires and extruded semiconducting chlorinated polyethylene (CPE) jacket.
4. STANDARDS: Completed cable meets IEEE 383 flame test requirements. 1/0 and larger marked "FOR CT USE." Listed by UL as Type MV-105. Meets the requirements of ICEA S-68-516.
5. AMPACITY: Based on three single conductor cables in isolated conduit in air per NEC Table 310-73 with a conductor temperature of 90°C and an ambient temperature of 40°C.
6. TEMPERATURE: 90°C
7. VOLTAGE: 15kV

Anixter Number	Cond. Size	Number of Strands	Insul. Thick.	Nominal Insul. O.D.	Shield Drain Wire	Overall Jacket Thick.	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Cond.
	AWG/kcmil		IN	IN	AWG	IN	IN		
3USB-0201	2	7	.175	.65	19	.080	.83	520	150
3USB-1011	1/0	19	.175	.72	19	.080	.91	681	195
3USB-2021	2/0	19	.175	.76	18	.080	.95	790	225
3USB-4041	4/0	19	.175	.87	18	.080	1.06	1119	295
3USB-2501	250	37	.175	.91	18	.080	1.11	1259	330
3USB-3501	350	37	.175	.01	17	.085	1.22	1656	395
3USB-5001	500	37	.175	.13	17	.085	1.34	2197	480
3USB-7501	750	61	.175	.30	16	.100	1.54	3137	585
3USB-10001	1000	61	.175	.46	16	.100	1.70	3960	675

EPR/PVC COPPER TAPE SHIELD

EPR Insulation
PVC Jacket
Shielded
100% Insulation Level

APPLICATIONS:

For use in power circuits up to 15kV when installed in open air, conduit, duct, or buried direct in earth, for wet and dry locations. Used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations, and generating stations.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, annealed, bare copper per ASTM B-3. (Compact stranding per ASTM B-496 is available.) Strand shield is an extruded conducting thermosetting compound.
2. INSULATION: Ethylene propylene rubber (EPR) per ICEA S-68-516 (NEMA WC8).
3. INSULATION SHIELD: Over the insulation is an extruded conducting, thermosetting insulation shield. Metallic shield is a helically applied 5 mil uncoated copper tape.
4. OVERALL JACKET: Sunlight resistant, black polyvinyl chloride (PVC) per ICEA S-68-516.
5. STANDARDS: Listed by UL as Type MV-105 per Standard 1072. Meets the requirements of ICEA S-68-516. Sizes 1/0 and larger marked "FOR CT USE."
6. AMPACITY: Based on three single conductor cables in isolated conduit in air per NEC Table 310-73 with a conductor temperature of 90°C and an ambient temperature of 40°C.
7. TEMPERATURE: 90°C
8. VOLTAGE: 15kV

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Nominal Insulation O.D.	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		IN	IN	IN	IN		
3EE-0201	2	7	.175	.69	.080	.95	590	150
3EE-0101	1	19	.175	.73	.080	.99	680	170
3EE-1011	1/0	19	.175	.77	.080	1.05	770	195
3EE-2021	2/0	19	.175	.81	.080	1.09	890	225
3EE-3031	3/0	19	.175	.86	.080	1.15	1030	260
3EE-4041	4/0	19	.175	.92	.080	1.18	1220	295
3EE-2501	250	37	.175	.98	.080	1.24	1370	330
3EE-3501	350	37	.175	1.08	.080	1.35	1730	395
3EE-5001	500	37	.175	1.21	.080	1.49	2340	480
3EE-7501	750	61	.175	1.40	.080	1.68	3210	585
3EE-10001	1000	61	.175	1.55	.110	1.93	4210	675

NOTE: Cables with compact stranding have slightly smaller overall diameters. Diameters and weights may vary between manufacturers.

XLP/PVC WIRE SHIELD

XLP Insulation
PVC Jacket
Shielded
100% Insulation Level

APPLICATIONS:

For use in power circuits up to 15kV when installed in open air, conduit, duct, or buried direct in earth, for wet and dry locations. Used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations, and generating stations.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, annealed, bare copper per ASTM B-3. Strand shield is an extruded semiconducting compound.
2. INSULATION: Cross-linked polyethylene (XLP) per ICEA S-66-524 (NEMA WC7).
3. INSULATION SHIELD: Semiconducting layer with copper shielding wires meeting the requirements of ICEA.
4. OVERALL JACKET: Sunlight resistant, black polyvinyl chloride (PVC) per ICEA S-66-524.
5. STANDARDS: Listed by UL as Type MV-90 per Standard 1072. Meets the requirements of ICEA S-66-524.
6. AMPACITY: Based on three single conductor cables in isolated conduit in air per NEC Table 310-73 with a conductor temperature of 90°C and an ambient temperature of 40°C.
7. TEMPERATURE: 90°C
8. VOLTAGE: 15kV

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Nominal Insulation O.D.	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		IN	IN	IN	IN		
3E-0201	2	7	.175	.69	.080	.95	550	150
3E-0101	1	19	.175	.73	.080	.99	625	170
3E-1011	1/0	19	.175	.77	.080	1.03	715	195
3E-2021	2/0	19	.175	.81	.080	1.08	825	225
3E-3031	3/0	19	.175	.86	.080	1.13	950	260
3E-4041	4/0	19	.175	.92	.080	1.19	1115	295
3E-2501	250	37	.175	.98	.080	1.25	1270	330
3E-3501	350	37	.175	1.09	.080	1.35	1630	395
3E-5001	500	37	.175	1.21	.080	1.47	2160	480
3E-7501	750	61	.175	1.40	.080	1.66	3139	585
3E-10001	1000	61	.175	1.55	.110	1.87	4055	675

NOTE: Diameters and weights may vary between manufacturers.

UNISHIELD EPR/CPE

EPR Insulation
CPE Jacket
Shielded (Unishield)
133% Insulation Level

APPLICATIONS:

For use in power circuits up to 15kV when installed in open air, conduit, duct, or buried direct in earth, for wet and dry locations. Used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations, and generating stations.



SPECIFICATIONS:

1. CONDUCTOR: Class B compact stranded, annealed, bare copper per ASTM B-3 and B-496. Strand shield is an extruded semiconducting compound.
2. INSULATION: Ethylene propylene rubber (EPR) per ICEA S-68-516 (NEMA WC8).
3. SHIELD SYSTEM: Combination of six copper drain wires and extruded semiconducting chlorinated polyethylene (CPE) jacket.
4. STANDARDS: Completed cable meets IEEE 383 flame test requirements. 1/0 and larger marked "FOR CT USE." Listed by UL as Type MV-105. Meets the requirements of ICEA S-68-516.
5. AMPACITY: Based on three single conductor cables in isolated conduit in air per NEC Table 310-73 with a conductor temperature of 90°C and an ambient temperature of 40°C.
6. TEMPERATURE: 90°C
7. VOLTAGE: 15kV

Anixter Number	Cond. Size	Number of Strands	Insul. Thick.	Nominal Insul. O.D.	Shield Drain Wire	Overall Jacket Thick.	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Cond.
	AWG/kcmil		IN	IN	AWG	IN	IN		
3USC-0201	2	7	.220	.74	19	.080	.94	586	150
3USC-1011	1/0	19	.220	.81	18	.080	1.02	767	195
3USC-2021	2/0	19	.220	.86	18	.080	1.06	880	225
3USC-4041	4/0	19	.220	.96	18	.080	1.14	1211	295
3USC-2501	250	37	.220	1.00	17	.085	1.25	1384	330
3USC-3501	350	37	.220	1.10	17	.085	1.35	1762	395
3USC-5001	500	37	.220	1.22	17	.085	1.47	2298	480
3USC-7501	750	61	.220	1.39	16	.100	1.68	3256	585
3USC-10001	1000	61	.220	1.55	15	.115	1.84	4141	675

EPR/PVC COPPER TAPE SHIELD

EPR Insulation
PVC Jacket
Shielded
133% Insulation Level

APPLICATIONS:

For use in power circuits up to 15kV when installed in open air, conduit, duct, or direct buried, for wet and dry locations. Used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations, and generating stations.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, annealed, bare copper per ASTM B-3. (Compact stranding per ASTM B-496 is available.) Strand shield is an extruded conducting, thermosetting compound.
2. INSULATION: Ethylene propylene rubber (EPR). Physical and electrical properties are in accordance with ICEA S-68-516 (NEMA WC8).
3. INSULATION SHIELD: Over the insulation is an extruded conducting, thermosetting insulation shield. Metallic shield is a helically applied 5 mil uncoated copper tape.
4. OVERALL JACKET: Sunlight resistant, black polyvinyl chloride (PVC), meeting the requirements of ICEA and UL 1072. Cable is tested per ICEA S-68-516 and UL 1072.
5. STANDARDS: Listed by UL as Type MV-105 per Standard 1072. Meets the requirements of ICEA S-68-516. Sizes 1/0 and larger marked "FOR CT USE."
6. AMPACITY: Based on three single conductor cables in isolated conduit in air per NEC Table 310-73 with a conductor temperature of 90°C and an ambient temperature of 40°C.
7. TEMPERATURE: 90°C
8. VOLTAGE: 15kV

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Nominal Insulation O.D.	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		IN	IN	IN	IN		
3FE-0201	2	19	.220	.78	.080	1.04	685	150
3FE-0101	1	19	.220	.82	.080	1.08	760	170
3FE-1011	1/0	19	.220	.86	.080	1.13	870	195
3FE-2021	2/0	19	.220	.91	.080	1.16	995	225
3FE-3031	3/0	19	.220	.96	.080	1.24	1130	260
3FE-4041	4/0	19	.220	1.02	.080	1.29	1275	295
3FE-2501	250	37	.220	1.07	.080	1.34	1465	330
3FE-3501	350	37	.220	1.18	.080	1.44	1840	395
3FE-5001	500	37	.220	1.30	.080	1.57	2395	480
3FE-7501	750	61	.220	1.49	.110	1.82	3415	585
3FE-10001	1000	61	.220	1.64	.110	2.03	4435	675

NOTE: Cables with compact stranding have slightly smaller overall diameters. Diameters and weights may vary between manufacturers.

KERITE EPR/PVC COPPER TAPE SHIELD

EPR Insulation
PVC Jacket
Shielded
133% Insulation Level

APPLICATIONS:

For use in power circuits up to 15kV when installed in open air, conduit, duct or direct buried, for wet and dry locations. Used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations and generating stations.



SPECIFICATIONS:

1. CONDUCTOR: Class B compressed stranded, annealed copper per ASTM B-8.
2. INSULATION: Single permashield, which consists of a layer of high dielectric constant extruded material over the conductor. Insulation is an extruded thermosetting ethylene propylene rubber (EPR) compound.
3. INSULATION SHIELD: Helically applied, bare copper tape over semiconducting layer.
4. OVERALL JACKET: Sunlight resistant, black polyvinyl chloride (PVC).
5. STANDARDS: Each finished length of cable on a shipping reel passes an AC voltage withstand test applied for five minutes. Listed by UL as Type MV-105 per Standard 1072. Meets the requirements of ICEA S-68-516 (NEMA WC8). Sizes 1/0 and larger marked "FOR CT USE."
6. AMPACITY: Based on three single conductor cables in isolated conduit in air per NEC Table 310-73 with a conductor temperature of 90°C and an ambient temperature of 40°C.
7. TEMPERATURE: 90°C
8. VOLTAGE: 15kV

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Nominal Insulation O.D.	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		IN	IN	IN	IN		
3FE-0201-K	2	19	.220	.80	.080	1.06	725	150
3FE-0101-K	1	19	.220	.84	.080	1.10	805	170
3FE-1011-K	1/0	19	.220	.88	.080	1.14	902	195
3FE-2021-K	2/0	19	.220	.92	.080	1.19	1021	225
3FE-3031-K	3/0	19	.220	.97	.080	1.24	1166	260
3FE-4041-K	4/0	19	.220	1.03	.080	1.29	1344	295
3FE-2501-K	250	37	.220	1.09	.080	1.37	1528	330
3FE-3501-K	350	37	.220	1.19	.080	1.47	1916	395
3FE-5001-K	500	37	.220	1.32	.080	1.60	2478	480
3FE-7501-K	750	61	.220	1.52	.110	1.87	3533	585
3FE-10001-K	1000	61	.220	1.67	.110	2.05	4479	675

NOTE: Sizes 1/0 through 4/0 are available with "For CT use" marking.

URD CABLE ALUMINUM CONDUCTOR JACKETED

XLP Insulation
Full Concentric Neutral
LLDPE Jacket
133% Insulation Level

APPLICATIONS:

For use on single phase or three phase primary underground distribution systems.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded aluminum (1350). Strand shield is an extruded semi-conducting compound.
2. INSULATION: Crosslinked polyethylene (XLP) per ICEA S-66-524 (NEMA WC7) and AEIC CS5.
3. INSULATION SHIELD: Extruded semiconducting material.
4. CONCENTRIC NEUTRAL: Annealed, bare copper spirally applied over the insulation shield per ICEA.
5. OVERALL JACKET: Linear low density polyethylene (LLDPE) per ICEA.
6. STANDARDS: Tested in accordance with AEIC CS5 and ICEA S-66-524.
7. TEMPERATURE: 90°C
8. VOLTAGE: 15kV

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Overall Jacket Thickness	Concentric Wires		Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.
	AWG		IN	IN	Number	AWG	IN	
3AMU-0215	2	7	.220	.050	10	14	1.10	545
3AMU-0115	1	19	.220	.050	13	14	1.14	615
3AMU-1015	1/0	19	.220	.050	16	14	1.18	700
3AMU-2015	2/0	19	.220	.050	13	12	1.26	845
3AMU-3015	3/0	19	.220	.050	16	12	1.31	945
3AMU-4015	4/0	19	.220	.050	20	12	1.36	1120

NOTE: Tree retardant XLP or EPR insulation available upon request.
Diameters and weights may vary between manufacturers.

URD CABLE COPPER CONDUCTOR JACKETED

XLP Insulation
Full Concentric Neutral
LLDPE Jacket
133% Insulation Level

APPLICATIONS:

For use on single phase or three phase primary underground distribution systems.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, annealed, bare copper. Strand shield is an extruded semi-conducting compound.
2. INSULATION: Cross-linked polyethylene (XLP) per ICEA S-66-524 (NEMA WC7) and AEIC CS5.
3. INSULATION SHIELD: Extruded semiconducting material.
4. CONCENTRIC NEUTRAL: Annealed bare copper spirally applied over the insulation shield per ICEA.
5. OVERALL JACKET: Linear low density polyethylene (LLDPE) per ICEA.
6. STANDARDS: Tested in accordance with AEIC CS5 and ICEA S-66-524.
7. TEMPERATURE: 90°C
8. VOLTAGE: 15kV

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Overall Jacket Thickness	Concentric Wires		Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.
	AWG		IN	IN	Number	AWG	IN	
3T-0215	2	7	.220	.050	16	14	1.10	755
3T-0115	1	19	.220	.050	13	12	1.18	915
3T-1015	1/0	19	.220	.050	16	12	1.22	1055
3T-2015	2/0	19	.220	.050	20	12	1.26	1445
3T-3015	3/0	19	.220	.050	25	12	1.31	1470
3T-4015	4/0	19	.220	.050	32	12	1.36	1795

NOTE: Tree retardant XLP or EPR insulation available upon request.
Diameters and weights may vary between manufacturers.

XLP/PVC WIRE SHIELD

XLP Insulation
PVC Jacket
Shielded
133% Insulation Level

APPLICATIONS:

For use in power circuits up to 15kV when installed in open air, conduit, duct, or buried direct in earth, for wet and dry locations. Used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations, and generating stations.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, annealed, bare copper per ASTM B-3. Strand shield is an extruded semiconducting compound.
2. INSULATION: Cross-linked polyethylene (XLP) per ICEA S-66-524 (NEMA WC7).
3. INSULATION SHIELD: Semiconducting layer with copper shielding wires meeting the requirements of ICEA.
4. OVERALL JACKET: Sunlight resistant, black polyvinyl chloride (PVC) per ICEA S-66-524.
5. STANDARDS: Listed by UL as Type MV-90 per Standard 1072. Meets the requirements of ICEA S-66-524.
6. AMPACITY: Based on three single conductor cables in isolated conduit in air per NEC Table 310-73 with a conductor temperature of 90°C and an ambient temperature of 40°C.
7. TEMPERATURE: 90°C
8. VOLTAGE: 15kV

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Nominal Insulation O.D.	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		IN	IN	IN	IN		
3F-0201	2	7	.220	.78	.080	1.05	550	150
3F-0101	1	19	.220	.82	.080	1.09	625	170
3F-1011	1/0	19	.220	.86	.080	1.13	715	195
3F-2021	2/0	19	.220	.91	.080	1.17	825	225
3F-3031	3/0	19	.220	.96	.080	1.22	950	260
3F-4041	4/0	19	.220	1.01	.080	1.28	1115	295
3F-2501	250	37	.220	1.07	.080	1.34	1270	330
3F-3501	350	37	.220	1.17	.080	1.44	1630	395
3F-5001	500	37	.220	1.30	.080	1.57	2160	480
3F-7501	750	61	.220	1.49	.110	1.82	3130	585
3F-10001	1000	61	.220	1.64	.110	1.93	4055	675

NOTE: Diameters and weights may vary between manufacturers.

EPR/PVC COPPER TAPE SHIELD

EPR Insulation
PVC Jacket
Shielded
100% Insulation Level

APPLICATIONS:

For use in power circuits up to 35kV when installed in open air, conduit, duct or direct burial for wet or dry locations. Used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations and generating stations.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, annealed, bare copper per ASTM B-3 and B-8. Strand shield is an extruded conducting, thermosetting compound.
2. INSULATION: Ethylene propylene rubber (EPR) with a minimum thickness not less than 90% of that specified in ICEA. Physical and electrical properties are in accordance with ICEA S-68-516 (NEMA WC8).
3. INSULATION SHIELD: Over the insulation is an extruded conducting, thermosetting insulation shield. Metallic shield is a helically applied 5 mil uncoated copper shielding tape.
4. OVERALL JACKET: Sunlight resistant, black polyvinyl chloride (PVC) meeting the requirements of ICEA and UL 1072.
5. STANDARDS: Listed by UL as Type MV-105 per Standard 1072. Meets the requirements of ICEA S-68-516.
6. AMPACITY: Based on three single conductor cables in isolated conduit in air per NEC Table 310-73 with a conductor temperature of 90°C and an ambient temperature of 40°C.
7. TEMPERATURE: 90°C
8. VOLTAGE: 35kV

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Nominal Insulation O.D.	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG/kcmil		IN	IN	IN	IN		
3DX-1011	1/0	19	.345	1.12	.080	1.39	1160	195
3DX-2021	2/0	19	.345	1.16	.080	1.43	1290	225
3DX-3031	3/0	19	.345	1.21	.080	1.48	1445	260
3DX-4041	4/0	19	.345	1.27	.080	1.54	1635	295
3DX-2501	250	37	.345	1.33	.080	1.60	1805	330
3DX-3501	350	37	.345	1.43	.080	1.70	2205	395
3DX-5001	500	37	.345	1.56	.110	1.91	2920	480
3DX-7501	750	61	.345	1.75	.110	2.10	3895	585
3DX-10001	1000	61	.345	1.90	.110	2.25	4840	675

NOTE: Diameters and weights may vary between manufacturers.
.420" insulation thickness available upon request.

SINGLE CONDUCTOR TYPE L-824-B OR L-824-C

**FAA Approved
Non-Shielded**

APPLICATIONS:

For use in underground installations for airport lighting and control.



SPECIFICATIONS:

1. Completed cables conform to Federal Aviation Agency (FAA) Specification L-824, latest edition.
2. Type B 5,000 Volt: Annealed, soft-drawn copper conductor. Class B stranded; suitable separator tape, 90°C EPR insulation; PVC jacket (other jackets optional) overall; surface printed L-824-B plus conductor size, voltage and manufacturer's name.
3. Type C 5,000 Volt: Annealed, soft-drawn copper conductor, Class B stranded; suitable separator tape, 90°C XLP insulation; surface printed L-824-C plus conductor size, voltage and manufacturer's name.

Anixter Number	Conductor Size	Number of Strands	Designation	Voltage	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.
	AWG				IN	IN	IN	
3Z-0805B	8	7	L-824-B	5000	.090	.030	.41	115
3Z-0805C	8	7	L-824-C	5000	.110	—	.38	95
3Z-0605C	6	7	L-824-C	5000	.110	—	.42	125

NOTE: FAA L-824 Type A and MIL C 38359 available upon request.
Diameters and weights may vary between manufacturers.

SINGLE CONDUCTOR TYPE GTO

PE Insulation
PVC Jacket
Non-Shielded

APPLICATIONS:

Used between high voltage terminals on sign transformers and signs. Also used for Oil Burner ignition cable. This cable may be used indoors or outdoors because of its black PVC jacket, which is resistant to moisture and sunlight. UL and CSA Listed.



SPECIFICATIONS:

1. CONDUCTOR: Flexible tinned copper.
2. INSULATION: Polyethylene (PE).
3. OVERALL JACKET: .020" black polyvinyl chloride (PVC).

Anixter Number	Conductor Size	Number of Strands	Voltage	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.
	AWG			IN	
3GTO-15	14	19	5-15,000	.264	50

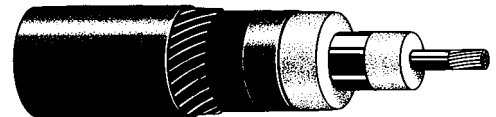
NOTE: Diameters and weights may vary between manufacturers.

ELECTROSTATIC PRECIPITATOR CABLE SINGLE CONDUCTOR 150kV DC (350kV P-P)

EPR Insulation
PE Jacket
Shielded

APPLICATIONS:

An electrostatic precipitator is a fly ash collection system, installed in a flue gas line to prevent fly ash from rising into the atmosphere. Cable is used to transmit the output voltage and current, from the transformer-rectifier set to the precipitator high voltage grid.



SPECIFICATIONS:

1. CONDUCTOR: Tinned, copper concentric stranding per ASTM B-8 and B-33.
2. INSULATION: System is a double permashield design consisting of two extruded layers of high dielectric constant insulating material.
3. SHIELD SYSTEM: Consists of twenty-four 14 AWG tinned copper concentric wires applied over an extruded semiconducting layer.
4. OVERALL JACKET: Black polyethylene.
5. STANDARDS: Designed for 150kV DC or 350kV peak to peak pulsating DC voltage in the MHz frequency range. Each finished length of cable on a shipping reel passes a one minute AC voltage test.

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness*	Overall Jacket Thickness	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.
	AWG		IN	IN	IN	
3DI-1011-K	1/0	19	.600	.91	2.13	2310

*Insulation thickness includes permashield layers.

NOTE: Use Anixter part number 3DI-9013-K for termination kits.

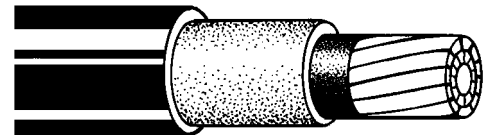
5–15kV JUMPER CABLE NON-SHIELDED

EPR Insulation
Thermoset Jacket
90°C 5kV/15kV

APPLICATIONS:

For use as flexible power leads for **temporary** connections, or by-passing energized power lines at voltages up to 15kV. Suitable for use at 5kV for connections to transformers and motors where non-shielded cable is required.

Jumper cables should not be used in place of shielded medium voltage cables. They should be used only in areas where contact with people and electrical grounds is limited.



SPECIFICATIONS:

1. CONDUCTOR: Extra flexible, rope-stranded, bare copper. A semiconducting compound is applied over the conductor.
2. INSULATION: Ethylene propylene rubber (EPR) per ICEA S-68-516 (NEMA WC8).
3. OVERALL JACKET: Red thermoset per ICEA S-68-516.
4. AMPACITY: Based on insulated single conductor isolated in air with a conductor temperature of 90°C and an ambient temperature of 40°C per NEC Table 310-69.
5. TEMPERATURE: 90°C
6. VOLTAGE: 5/15kV

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.	Amps Per Conductor
	AWG		IN	IN	IN		
5R-0201	2	259	.175	.080	.870	495	195
5R-0101	1	259	.175	.080	.910	571	225
5R-1011	1/0	259	.175	.080	.960	660	260
5R-2021	2/0	259	.175	.080	1.010	760	300
5R-4041	4/0	259	.175	.080	1.130	1081	400
5R-2501	250	646	.175	.080	1.185	1213	445
5R-3501	350	855	.215	.080	1.380	1595	550
5R-5001	500	1235	.215	.080	1.560	2145	685

NOTE: Diameters and weights may vary between manufacturers.

TERMINATION & SPLICING SUPPLIES SHIELDED POWER CABLES

5kV (100% Insulation)

APPLICATIONS:

For use in terminating and splicing medium voltage power cables in either indoor or outdoor applications.

Concentric or Compressed ¹ Copper Cond. Size	3M				Raychem	
	Splice Kit	Splice Connector	Termination Kit	Compression Lug	Splice Kit	Termination Kit
	Part Number ^{2,7}	Part Number ³	Part Number ^{4,8}	Part Number ³	Part Number ⁵	Part Number ⁵
AWG/kcmil						
6	5551	10001	5632K	30015	HVS-821S	N/A
4	5551	10002	5632K	30019	HVS-821S	HVT-80-SG
2	5551	10003	5632K	30023	HVS-821S	HVT-80-SG
1	5551	10004	5632K	30028	HVS-821S	HVT-80-SG
1/0	5551	10005	5632K	30032	HVS-821S	HVT-81-SG
2/0	5551	10006	5632K	30036	HVS-821S	HVT-81-SG
3/0	5551	10007	5633K	30041	HVS-822S	HVT-81-SG
4/0	5551	10008	5633K	30045	HVS-822S	HVT-81-SG
250	5552	10009	5633K	31049	HVS-822S	HVT-81-SG
350	5552	10011	5635K	31056	HVS-823S	HVT-82-SG
500	5553	10014	5635K	31067	HVS-823S	HVT-82-SG
750	5553	11019	5635K	31172	HVS-823S	HVT-83-SG
1000	5553	11024	5636K	31178	HVS-824S	HVT-83-SG

Nominal Insulation Thickness

5kV	100%	
	ICEA 90 Mils	AEIC 90 Mils

NOTES:

- 1 For COMPACT copper and aluminum conductors refer to Compression Lugs and Connectors in the Support Products Section.
- 2 Contains materials for three (3) single phase splices. Order connectors separately.
- 3 One (1) connector or lug per part number.
- 4 Contains materials for three (3) single phase terminations. Order lugs separately.
- 5 Contains materials for one (1) single phase splice. Order connectors separately.
- 6 Above part numbers are manufacturers' part numbers.
- 7 QSIII also available.
- 8 QTIII also available.

TERMINATION & SPLICING SUPPLIES SHIELDED POWER CABLES

**5kV (133% Insulation)
and 8kV (100% Insulation)**

APPLICATIONS:

For use in terminating and splicing medium voltage power cables in either indoor or outdoor applications.

Concentric or Compressed ¹ Copper Cond. Size AWG/kcmil	3M				Raychem	
	Splice Kit	Splice Connector	Termination Kit	Compression Lug	Splice Kit	Termination Kit
	Part Number ^{2,7}	Part Number ³	Part Number ^{4,8}	Part Number ³	Part Number ⁵	Part Number ⁵
2	5501	CI-22	5632K	30023	HVS-821S	HVT-80-SG
1	5501	CI-21	5632K	30028	HVS-822S	HVT-81-SG
1/0	5501	CI-1/0	5632K	30032	HVS-822S	HVT-81-SG
2/0	5501	20006	5633K	30036	HVS-822S	HVT-81-SG
3/0	5502	CI-3/0	5633K	30041	HVS-822S	HVT-81-SG
4/0	5502	CI-4/0	5633K	30045	HVS-822S	HVT-81-SG
250	5502	20009	5633K	31049	HVS-823S	HVT-82-SG
350	5503	CI-350	5635K	31056	HVS-823S	HVT-82-SG
500	5504	CI-500	5635K	31067	HVS-824S	HVT-82-SG
750	5505	CI-750	5635K	31172	HVS-824S	HVT-83-SG
1000	5719	11024	5636K	31178	HVS-825S	HVT-83-SG

Nominal Insulation Thickness

5kV	133%	
	ICEA 90 Mils	AEIC 115 Mils
8kV	100%	
	ICEA 115 Mils	AEIC 115 Mils

NOTES:

- 1 For COMPACT copper and aluminum conductors refer to Compression Lugs and Connectors in the Support Products Section.
- 2 Contains materials for three (3) single phase splices. Order connectors separately.
- 3 One (1) connector or lug per part number.
- 4 Contains materials for three (3) single phase terminations. Order lugs separately.
- 5 Contains materials for one (1) single phase splice. Order connectors separately.
- 6 Above part numbers are manufacturers' part numbers.
- 7 QSIII also available.
- 8 QTIII also available.

TERMINATION & SPLICING SUPPLIES SHIELDED POWER CABLES

**8kV (133% Insulation)
and 15kV (100% Insulation)**

APPLICATIONS:

For use in terminating and splicing medium voltage power cables in either indoor or outdoor applications.

Concentric or Compressed ¹ Copper Cond. Size AWG/kcmil	3M				Raychem	
	Splice Kit	Splice Connector	Termination Kit	Compression Lug	Splice Kit	Termination Kit
	Part Number ^{2,8}	Part Number ³	Part Number ^{4,9}	Part Number ³	Part Number ⁵	Part Number ⁵
2	5501	CI-22	5533K	30023	HVS-1521S	HVT-151-SG
1	5501	CI-21	5633K	30028	HVS-1521S	HVT-151-SG
1/0	5501	CI-1/0	30032	30032	HVS-1521S	HVT-151-SG
2/0	5501	20006	5633K	30036	HVS-1521S	HVT-152-SG
3/0	5502	CI-3/0	5633K	30041	HVS-1521S	HVT-152-SG
4/0	5502	CI-4/0	5635K	30045	HVS-1521S	HVT-152-SG
250	5502	20009	5635K	31049	HVS-1522S	HVT-152-SG
350	5503	CI-350	5635K	31056	HVS-1522S	HVT-152-SG
500	5504	CI-500	5635K	31067	HVS-1523S	HVT-153-SG
750	5505	CI-750	5636K	31172	HVS-1523S	HVT-153-SG
1000	5720	11024	5636K	31178	HVS-1524S	HVT-153-SG

Nominal Insulation Thickness⁶

8kV	133%	
	ICEA 140 Mils	AEIC 140 Mils
15kV	100%	
	ICEA 175 Mils	AEIC 175 Mils

NOTES:

- 1 For COMPACT copper and aluminum conductors refer to Compression Lugs and Connectors in the Support Products Section.
- 2 Contains materials for three (3) single phase splices. Order connectors separately.
- 3 One (1) connector or lug per part number.
- 4 Contains materials for three (3) single phase terminations. Order lugs separately.
- 5 Contains materials for one (1) single phase splice. Order connectors separately.
- 6 For 8kV (133%) cable requirement, use 15kV (100%) cable.
- 7 Above part numbers are manufacturers' part numbers.
- 8 QSIII also available.
- 9 QTIII also available.

TERMINATION & SPLICING SUPPLIES SHIELDED POWER CABLES

15kV (133% Insulation)

APPLICATIONS:

For use in terminating and splicing medium voltage power cables in either indoor or outdoor applications.

Concentric or Compressed ¹ Copper Cond. Size	3M				Raychem	
	Splice Kit	Splice Connector	Termination Kit	Compression Lug	Splice Kit	Termination Kit
	Part Number ^{2,7}	Part Number ³	Part Number ^{4,8}	Part Number ³	Part Number ⁵	Part Number ⁵
AWG/kcmil						
2	5501	CI-22	5633K	30023	HVS-1521S	HVT-151-SG
1	5501	CI-21	5633K	30028	HVS-1521S	HVT-151-SG
1/0	5501	CI-1/0	5633K	30032	HVS-1521S	HVT-151-SG
2/0	5502	CI-2/0	5635K	30036	HVS-1521S	HVT-152-SG
3/0	5502	CI-3/0	5633K	30041	HVS-1521S	HVT-152-SG
4/0	5502	CI-4/0	5635K	30045	HVS-1522S	HVT-152-SG
250	5503	CI-250	5635K	31049	HVS-1522S	HVT-152-SG
350	5503	CI-350	5635K	31056	HVS-1522S	HVT-152-SG
500	5504	CI-500	5635K	31067	HVS-1523S	HVT-153-SG
750	5505	CI-750	5637K	31172	HVS-1524S	HVT-153-SG
1000	5815-S 2-5815-A-40 5800-SW	INCLUDED	5637K	31178	HVS-1524S	HVT-153-SG

Nominal Insulation Thickness

15kV	133%	
	ICEA 215 Mils	AEIC 220 Mils

NOTES:

- 1 For COMPACT copper and aluminum conductors refer to Compression Lugs and Connectors in the Support Products Section.
- 2 Contains materials for three (3) single phase splices. Order connectors separately.
- 3 One (1) connector or lug per part number.
- 4 Contains materials for three (3) single phase terminations. Order lugs separately.
- 5 Contains materials for one (1) single phase splice. Order connectors separately.
- 6 Above part numbers are manufacturers' part numbers.
- 7 QSIII also available.
- 8 QTIII also available.