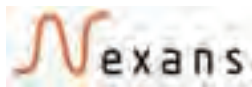


7



Section 7 Utility Cable

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Bare Copper, Solid and Stranded

Bare Copper, Solid and Stranded

SPECIFICATIONS

- SOLID: ASTM B-1=Hard-drawn temper; ASTM B-2=Medium-hard-drawn temper;
ASTM B-3=Soft-drawn temper
- STRANDED: ASTM B-8=Concentric lay, Class B or Class C



APPLICATIONS

Solid (medium-hard or hard-drawn temper) for use in overhead, outdoor applications for distribution circuits. Stranded (hard-, medium-hard or soft-drawn temper) for grounding.

SOLID

All part numbers are for soft-drawn temper. For other tempers use the suffix "H" for hard-drawn or "M" for medium-hard-drawn temper, (e.g. 1A-0801H). Diameters and weights may vary among manufacturers.

Anixter No.	Conductor Size AWG	No. of Strands	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.
1A-2601	26	Solid	0.016	0.8
1A-2401	24	Solid	0.020	1.2
1A-2201	22	Solid	0.025	1.9
1A-2001	20	Solid	0.032	3.1
1A-1801	18	Solid	0.040	4.9
1A-1601	16	Solid	0.051	7.8
1A-1401	14	Solid	0.064	12.4
1A-1201	12	Solid	0.081	19.8
1A-1001	10	Solid	0.102	31.4
1A-0801	8	Solid	0.129	50.0
1A-0601	6	Solid	0.162	79.4
1A-0401	4	Solid	0.204	126.3
1A-0201	2	Solid	0.258	201.9

CLASS B - STRANDED

Anixter No.	Conductor Size AWG/kcmil	No. of Strands	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.
1B-0807	8	7	0.146	51
1B-0607	6	7	0.184	81
1B-0407	4	7	0.232	129
1B-0207	2	7	0.292	205
1B-0119	1	19	0.332	259
1B-10119	1/0	19	0.373	326
1B-20219	2/0	19	0.419	411
1B-30319	3/0	19	0.470	518
1B-40419	4/0	19	0.528	653
1B-25037	250	37	0.575	772
1B-30037	300	37	0.630	926
1B-35037	350	37	0.681	1,081
1B-40037	400	37	0.728	1,235
1B-50037	500	37	0.813	1,544
1B-60061	600	61	0.893	1,853
1B-75061	750	61	0.998	2,316
1B-100061	1000	61	1.152	3,088

Continued on next page >>

Bare Copper, Solid and Stranded

(continued) Bare Copper, Solid and Stranded

BELDEN SHIELDING BRAID

Tinned copper shielding and bonding braid/cable

Anixter No.	Approx. AWG	No. of Strands	Rec. Current (Amps)	Approx. Circular Area	Nominal ID Tubular
1SB-0038-B	14.6	96/34	27	3,800	0.125
1SB-0047-B	13.3	120/34	36	4,800	0.172
1SB-0076-B	11.3	192/34	46	7,600	0.203
1SB-0133-B	8.9	336/34	62	13,300	0.500
1SB-0229-B	6.6	576/34	80	22,900	0.781
1SB-0480-B	3.4	480/30	145	48,000	0.750

BELDEN BUS BAR

Bare copper bus bar QQ-W-343G

Anixter No.	Approx. AWG	No. of Strands	Approx. Circular Area	Nominal O.D. (in.)
B8025	30	Solid	102	0.010
B8024	28	Solid	164	0.013
B8023	26	Solid	262	0.016
B8022	24	Solid	424	0.021
B8021	22	Solid	650	0.026
B8020	20	Solid	1,056	0.033
B8019	18	Solid	1,648	0.041
B8013	16	Solid	2,673	0.052
B8012	14	Solid	4,251	0.065
B8011	12	Solid	6,872	0.083

Bare Aluminum, Solid and Stranded

Bare Aluminum, Solid and Stranded

SPECIFICATIONS

1. CONDUCTOR: ASTM B-230 aluminum wire, ASTM B-231 aluminum, concentric-lay-stranded
2. STANDARDS: 1350 alloy - H19 temper
3. AMPACITY: Based on a 40°C ambient temperature with a wind velocity of 2 ft./sec. and an emissivity factor of 0.5 with no sun per ANSE/IEEE Std. 738 and The Aluminum Association Std. 55



APPLICATIONS

Solid or stranded for overhead outdoor applications in distribution circuits.

Anixter No.	Code Name	Conductor Size AWG/kcmil	No. of Strands	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor	Minimum Breaking Strength lb.
1C-0601	Passionflower	6	Solid	0.162	24	90	232
1C-0401	PomPom	4	Solid	0.204	38	120	369
1C-0201	Begonia	2	Solid	0.258	61	165	586
1D-0601	Peachbell	6	7	0.184	25	90	563
1D-0401	Rose	4	7	0.232	39	120	881
1D-0201	Iris	2	7	0.292	60	165	1,350
1D-1011	Poppy	1/0	7	0.368	99	220	1,990
1D-2021	Aster	2/0	7	0.414	125	255	2,510
1D-3031	Phlox	3/0	7	0.464	158	295	3,040
1D-4041	Oxlip	4/0	7	0.522	198	345	3,830
1D-2501	Valerian	250	19	0.574	235	385	4,660
1D-3501	Daffodil	350	19	0.679	329	475	6,390
1D-5001	Hyacinth	500	37	0.813	469	600	9,110
1D-6001	Meadowsweet	600	37	0.891	563	675	10,700
1D-7001	Flag	700	61	0.964	657	745	12,900
1D-7501	Cattail	750	61	0.998	704	780	13,500
1D-10001	Camellia	1000	61	1.152	938	935	17,700

6201-T81 temper also available. Diameters and weights may vary among manufacturers.

Bare Aluminum ACSR

Bare Aluminum, ACSR

SPECIFICATIONS

1. CONDUCTOR: Compact aluminum conductors steel reinforced (ACSR) complies with one-layer compact ACSR in CSA Standard C49.2 (ACSR)
2. STANDARDS: 1350 alloy - H19 temper
3. AMPACITY: Based on a 40°C ambient temperature with a wind velocity of 2 ft./sec. and an emissivity factor of 0.5 with no sun per ANSI/IEEE Std. 738-1976 and The Aluminum Association Std. 55



APPLICATIONS

Aluminum conductor steel reinforced (ACSR) is used for aerial transmission. It has a high strength to weight ratio.

Anixter No.	Code Name	Conductor Size or Circular Mils/AWG	Strands AL/Steel	Amps per Conductor	Minimum Breaking Strength lb.
1H-0601T	Turkey	6	6/1	90	1,190
1H-0401S	Swan	4	6/1	120	1,860
1H-0201SP	Sparrow	2	6/1	160	2,850
1H-0101	Robin	1	6/1	185	3,550
1H-1011R	Raven	1/0	6/1	215	4,380
1H-2021Q	Quail	2/0	6/1	245	5,310
1H-3031P	Pigeon	3/0	6/1	285	6,620
1H-4041P	Penguin	4/0	6/1	325	8,350
1H-2661P	Partridge	266,800	26/7	415	11,300
1H-3001	Piper	300,000	30/7	450	----
1H-3001O	Ostrich	300,000	26/7	445	12,700
1H-3361M	Merlin	336,400	18/1	470	8,680
1H-3361	Oriole	336,400	30/7	485	17,300
1H-3361L	Linnett	336,400	26/7	480	14,100
1H-3971	Lark	397,500	30/7	540	20,300
1H-3971I	Ibis	397,500	26/7	535	16,300
1H-4771	Hen	477,000	30/7	610	23,800
1H-4771H	Hawk	477,000	26/7	600	19,500
1H-5001	Heron	500,000	30/7	620	----
1H-5561	Eagle	556,500	30/7	675	27,800
1H-5561D	Dove	556,500	26/7	665	22,600
1H-6051	Duck	605,000	54/7	700	----
1H-6361	Goose	636,000	54/7	730	----
1H-6361G	Grosbeak	636,000	26/7	725	25,200
1H-7151	Starling	715,500	26/7	785	28,400
1H-7151C	Crow	715,500	54/7	770	----
1H-7951C	Condor	795,000	54/7	825	28,200
1H-7951D	Drake	795,000	26/7	840	31,500
1H-8741	Crane	874,500	54/7	880	----
1H-9001	Canary	900,000	54/7	880	31,900
1H-9541C	Cardinal	954,000	54/7	930	33,800
1H-10331	Curlew	1,033,500	54/7	980	36,600

Other types:

(1) extra high-strength strands which have a higher ratio of steel to aluminum,

(2) smooth body strands in which the individual aluminum wires are compressed into sector shapes around the steel core and provide a smooth outer surface.

Diameters and weights may vary among manufacturers.

Service Drop

SPECIFICATIONS

1. CONDUCTOR: Aluminum conductor complying with ASTM B-232
2. INSULATION: Polyethylene conforms to ASTM D-1248, the self-supporting version includes a neutral messenger
3. ASSEMBLY: The bare messenger's direction of lay of the outer layer of stranded wire is right-handed
4. AMPACITY: Based on a 40°C ambient temperature, 75°C conductor temperature, a wind velocity of 2 ft./sec. and an emissivity factor of 0.5 with no sun per ANSI/IEEE Std. 738-1976 and The Aluminum Association Std. 55
5. TEMPERATURE: 75°C
6. VOLTAGE: 600 V



APPLICATIONS

Aluminum conductor, with steel support strand, covered with weatherproof HMW (high molecular weight) polyethylene for overhead transmission of power.

DUPLEX

Anixter No.	Code Name	Conductor Size AWG/kcmil	No. of Strands	Insulation Thickness (in.)	ACSR Neutral Messenger AWG	Strands AL/Steel	Approx. Wt. lb./1,000 ft.	Amps per Conductor
SHEPHERD	Shepherd	6	7	0.060	6	6/1	75	90
TERRIER	Terrier	4	10/30	0.045	4	6/1	120	110
CHOW	Chow	2	7	0.045	6	6/1	75	80
BULL	Bull	1/0	10/30	0.045	1/0	6/1	293	195

TRIPLEX

Anixter No.	Code Name	Conductor Size AWG/kcmil	No. of Strands	Insulation Thickness (in.)	ACSR Neutral Messenger AWG	Strands AL/Steel	Approx. Wt. lb./1,000 ft.	Amps per Conductor
CONCH	Conch	2	7	0.045	2	6/1	267	145
MURSIA	Mursia	3/0	19	0.060	3/0	6/1	646	235
NERITINA	Neritina	1/0	7	0.060	1/0	6/1	429	195
PERIWINKLE	Periwinkle	4	7	0.045	4	6/1	176	125
RUNCINA	Runcina	2/0	7	0.060	2/0	6/1	530	225
TRITON	Triton	2/0	19	0.060	2/0	6/1	522	225
VOLUTA	Voluta	6	7	0.045	6	6/1	117	80
ZUZARA	Zuzara	4/0	19	0.060	4/0	6/1	804	300

QUADRUPLEX

Cross-Linked Polyethylene (XLP) insulation and copper conductors also available. Diameters and weights may vary among manufacturers.

Anixter No.	Code Name	Conductor Size AWG/kcmil	No. of Strands	Insulation Thickness (in.)	ACSR Neutral Messenger AWG	Strands AL/Steel	Approx. Wt. lb./1,000 ft.	Amps per Conductor
APPALOOSA	Appaloosa	4/0	19	0.060	4/0	6/1	1,060	280
CHOLA	Chola	6	7	0.045	6	6/1	157	75
COSTENA	Costena	1/0	19	0.060	1/0	6/1	561	180
GRULLO	Grullo	2/0	19	0.060	2/0	6/1	692	205
HACKNEY	Hackney	4	7	0.045	4	6/1	235	75
MUSTANG	Mustang	2	7	0.045	2	6/1	333	130
PALOMINO	Palomino	2	7	0.060	2	6/1	355	145
SUFFOLK	Suffolk	3/0	19	0.060	3/0	6/1	853	240

Trolley Wire

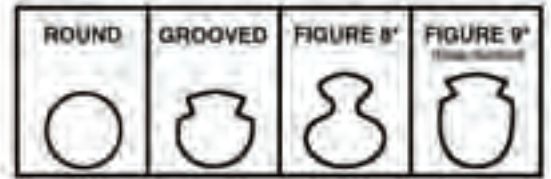
Trolley Wire

SPECIFICATIONS

1. CONDUCTOR: For Figure 8 and Figure 9 wire, dimensions given are nominal height of entire section and width of lower lobe. Diameters and weights may vary among manufacturers.
2. STANDARDS: Copper trolley wire manufactured to ASTM B-47 and ASTM B-116 where applicable

APPLICATIONS

Used as current carrying contact wire to supply power to mining cars, mining equipment, industrial cranes, urban transit and railroad vehicles.



ROUND - ASTM B-47

Anixter No.	Conductor Size AWG/kcmil	Nominal O.D. (in.)	Area Circular Mils	Area Square (in.)	Approx. Wt. lb./1,000 ft.	Minimum Tensile Strength lb./Sq. (in.)	Resistance at 20°C Ohms/1,000 ft.	Minimum Breaking Strength lb.
1AT-1011R	1/0	0.3249	105,600	0.0829	319.5	54,500	0.10110	4,518
1AT-2021R	2/0	0.3648	133,100	0.1045	402.6	52,800	0.08021	5,519
1AT-3031R	3/0	0.4096	167,800	0.1318	507.8	51,000	0.06362	6,720
1AT-4041R	4/0	0.4600	211,600	0.1662	640.5	49,000	0.05405	8,143
1AT-3001R	300	0.5477	300,000	0.2356	908.6	46,400	0.03558	10,930

GROOVED - ASTM B-47

Anixter No.	Conductor Size AWG/kcmil	Nominal O.D. (in.)	Area Circular Mils	Area Square (in.)	Approx. Wt. lb./1,000 ft.	Minimum Tensile Strength lb./Sq. (in.)	Resistance at 20°C Ohms/1,000 ft.	Minimum Breaking Strength lb.
1AT-2021G	2/0	0.392	137,900	0.1083	417.4	50,200	0.07741	5,437
1AT-3031G	3/0	0.430	167,300	0.1314	506.4	48,500	0.06380	6,373
1AT-4041G	4/0	0.482	212,000	0.1665	641.7	46,600	0.05035	7,759
1AT-3001G	300	0.574	299,800	0.2355	907.5	44,200	0.03560	10,410
1AT-3501G	350	0.620	351,200	0.2758	1,063	42,800	0.03039	11,810

FIGURE 8 - ASTM B-116

Anixter No.	Conductor Size AWG/kcmil	Nominal O.D. (in.)	Area Circular Mils	Area Square (in.)	Approx. Wt. lb./1,000 ft.	Minimum Tensile Strength lb./Sq. (in.)	Resistance at 20°C Ohms/1,000 ft.	Minimum Breaking Strength lb.
1AT-10118	1/0	0.420 x 0.312	105,600	0.0829	319.7	51,800	0.10110	4,296
1AT-20218	2/0	0.480 x 0.352	133,100	0.1045	402.9	50,200	0.08020	5,248
1AT-30318	3/0	0.510 x 0.400	167,800	0.1318	507.9	48,500	0.06361	6,392
1AT-40418	4/0	0.600 x 0.450	211,600	0.1662	640.5	46,600	0.05045	7,744
1AT-35018	350	0.754 x 0.570	350,100	0.2750	1,060.0	42,800	0.03049	11,770

FIGURE 9 - DEEP SECTION - ASTM B-116

Anixter No.	Conductor Size AWG/kcmil	Nominal O.D. (in.)	Area Circular Mils	Area Square (in.)	Approx. Wt. lb./1,000 ft.	Minimum Tensile Strength lb./Sq. (in.)	Resistance at 20°C Ohms/1,000 ft.	Minimum Breaking Strength lb.
1AT-3501D	350	0.707 x 0.496	348,900	0.2740	1,056.0	42,800	0.03059	11,730
1AT-4001D	400	0.715 x 0.552	397,200	0.3120	1,202.0	41,300	0.02687	12,880

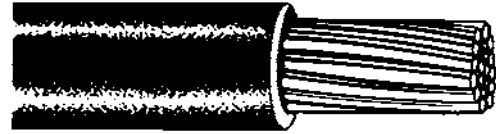
Copper Grounding Cable

Copper Grounding Cable

PVC insulation

SPECIFICATIONS

1. CONDUCTOR: Class K stranded, bare copper, extra-fine strands allow for greater flexibility and handling ease
2. INSULATION: Clear Polyvinyl Chloride (PVC)

**APPLICATIONS**

Used in applications for grounding of equipment and structures. This cable can also be used in hazardous locations such as refineries, fuel storage areas and chemical plants.

Anixter No.	Conductor Size AWG/kcmil	No. of 30 AWG Strands	Insulation Thickness (in.)	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.
5GC-0201	2	665	0.100	0.530	300
5GC-1011	1/0	1,045	0.100	0.580	465
5GC-2021	2/0	1,330	0.100	0.650	565
5GC-4041	4/0	2,109	0.100	0.780	865

Diameters and weights may vary among manufacturers.

#6 AWG solid copper and yellow TPE insulation also available.

Photovoltaic (PV) Wire

Photovoltaic (PV) Wire

XLP

90°C wet/dry

UL Listed for PV use

SPECIFICATIONS

1. CONDUCTOR: Stranded, annealed, copper per ASTM B-8
2. INSULATION: Sunlight-resistant Cross-Linked Polyethylene (XLP) Type RHW-2 per UL 44
3. COLORS: Use suffix "-01" for white, "-02" for black, and "-03" for red
4. STANDARDS: Cable is listed as Type USE-2 per UL 854, RHH/RHW-2 per UL 44, and Type PV per UL 4703
5. AMPACITY: Based on not more than three conductors in raceway or cable or earth per 2008 NEC 310.16 with an ambient temperature of 30°C
6. TEMPERATURE: 90°C

APPLICATIONS

For use in Photovoltaic (PV) solar applications, used to interconnect solar panels.

PHOTOVOLTAIC WIRE 600 V

Photovoltaic Wire 600 V UL Rated, 600 V PV, 600 V USE-2, 600 V RHW-2

Anixter No.	Conductor Size AWG	No. of Strands	Insulation Thickness (in.)	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
PV-1019-UL-01	10	19	0.075	0.28	57	40
PV-1019-UL-02	10	19	0.075	0.28	57	40
PV-1019-UL-03	10	19	0.075	0.28	57	40

PHOTOVOLTAIC WIRE 2 KV

Photovoltaic Wire 2 kV UL Rated, 2 kV RHW-2, 2 kV PV, 600 V USE-2

Anixter No.	Conductor Size AWG	No. of Strands	Insulation Thickness (in.)	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
PV-1019-UL-2KV-01	10	19	0.075	0.28	57	40
PV-1019-UL-2KV-02	10	19	0.075	0.28	57	40
PV-1019-UL-2KV-03	10	19	0.075	0.28	57	40



Substation Control Cable

Shielded Substation Control Cable

XLP insulation

CPE jacket

90°C, 600 V

**SPECIFICATIONS**

1. CONDUCTORS: Class B stranded copper per ASTM B-3 and B-8
2. INSULATION: Cross-Linked Polyethylene (XLP)
3. COLOR CODE: ICEA Method 1, Table E-1 (formerly K-1) for 14-10 AWG, ICEA Method 4 (printed numbers) for 8 AWG
4. ASSEMBLY: Conductors are cabled with fillers where necessary to make round
5. SHIELDING: 0.005 in. (5-mil) longitudinally applied corrugated copper tape
6. OVERALL JACKET: Sunlight-resistant Chlorinated Polyethylene (CPE)
7. STANDARDS: Cable listed Type TC per UL 1277 requirements. Conductors listed Type XHHW-2 per UL 44 with VW-1 rating and meet ICEA S-73-532 (NEMA WC57) requirements. Cable listed for direct burial and meets the IEEE 1202, UL 1685 (70,000 Btu/hr), and ICEA T-29-520 (210,000 Btu/hr) Vertical Tray Flame Tests
8. AMPACITY: Based on not more than three conductors in raceway or cable or earth with an ambient temperature of 30°C per 2008 NEC Table 310.16, all multiconductor values have been derated per 2008 NEC Table 310.15(B)(2)(a).
9. TEMPERATURE: 90°C wet/dry
10. VOLTAGE: 600 V

APPLICATIONS

Designed for power and control, telemetry, relay control, traffic control, switching, lighting and signal transmission in substation applications.

May be used in Class 1, Div. 2 Hazardous Locations per 2008 NEC Art. 501.

These cables also conform to 2008 NEC Article 336 Power and Control Tray Cable (Type TC).

SHIELDED SUBSTATION CONTROL CABLE

Diameters and weights may vary among manufacturers. Other conductor counts available upon request.

Anixter No.	Conductor Size AWG/kcmil	No. of Conductors	Ground Wire Size AWG	Insulation Thickness (in.)	Overall Jacket Thickness (in.)	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
2XR-1412LCS-1	14	12	----	0.030	0.060	0.76	360	12
2XR-1407LCS-1	14	7	----	0.030	0.060	0.56	230	17
2XR-1405LCS-1	14	5	----	0.030	0.060	0.52	168	20
2XR-1404LCS-1	14	4	----	0.030	0.045	0.49	144	20
2XR-1403LCS-1	14	3	----	0.030	0.045	0.45	121	25
2XR-1402LCS-1	14	2	----	0.030	0.045	0.43	99	25
2XR-1212LCS-1	12	12	----	0.030	0.060	0.83	476	15
2XR-1207LCS-1	12	7	----	0.030	0.060	0.65	304	24
2XR-1205LCS-1	12	5	----	0.030	0.060	0.57	240	24
2XR-1204LCS-1	12	4	----	0.030	0.045	0.53	187	24
2XR-1203LCS-1	12	3	----	0.030	0.045	0.49	154	30
2XR-1202LCS-1	12	2	----	0.030	0.045	0.47	122	30
2XR-1012LCS-1	10	12	----	0.030	0.080	0.98	700	20
2XR-1007LCS-1	10	7	----	0.030	0.060	0.72	415	28
2XR-1005LCS-1	10	5	----	0.060	0.080	0.98	320	32
2XR-1004LCS-1	10	4	----	0.030	0.060	0.59	269	32
2XR-1003LCS-1	10	3	----	0.030	0.060	0.55	220	40
2XR-1002LCS-1	10	1	----	0.030	0.045	0.52	156	40
2XR-0804LCS-WG-1	8	4	1#10	0.045	0.060	0.77	430	44
2XR-0803LCS-WG-1	8	3	1#10	0.045	0.060	0.70	350	55

20/10 Substation Control Cable

20/10 Substation Control Cable

Polyethylene-PVC insulation

PVC jacket

75°C, 600 V



SPECIFICATIONS

1. CONDUCTORS: Bare soft annealed copper per ASTM B-3, conductors are Class B concentric strand in accordance with ASTM B-8
2. INSULATION: 20 mils of high molecular weight polyethylene (HMWPE), covered with 10 mils of color-coded Polyvinyl Chloride (PVC)
3. COLOR CODE: ICEA Method 1, Table E-1 (formerly K-1)
4. ASSEMBLY: Insulated conductors are cabled with fillers as necessary, the two-conductor constructions are flat, all others round
5. OVERALL JACKET: Polyvinyl Chloride (PVC)
6. STANDARDS: Finished cable meets ICEA S-73-532 (NEMA WC57) requirements
7. TEMPERATURE: 75°C
8. VOLTAGE: 600 V

APPLICATIONS

For use in control circuits for utility substations, and various operating, relaying, telemetering, indicating, signalling and measuring circuits for industrial plants and processes. Suitable for use in duct, conduit and aerial.

Anixter No.	Conductor Size AWG	No. of Conductors	Overall Jacket Thickness (in.)	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.
2B-1402	14	2	0.045	0.228 x 0.363	68
2B-1403	14	3	0.045	0.385	109
2B-1404	14	4	0.045	0.420	131
2B-1405	14	5	0.045	0.464	152
2B-1407	14	7	0.045	0.503	162
2B-1409	14	9	0.060	0.610	193
2B-1410	14	10	0.060	0.665	291
2B-1412	14	12	0.060	0.684	326
2B-1414	14	14	0.060	0.720	336
2B-1415	14	15	0.060	0.764	400
2B-1419	14	19	0.060	0.791	507
2B-1425	14	25	0.080	1.000	611
2B-1430	14	30	0.080	1.035	691
2B-1437	14	37	0.080	1.118	822
2B-1202	12	2	0.045	0.247 x 0.401	98
2B-1203	12	3	0.045	0.426	139
2B-1204	12	4	0.045	0.466	178
2B-1205	12	5	0.060	0.545	239
2B-1207	12	7	0.060	0.587	293
2B-1208	12	8	0.060	0.646	331
2B-1212	12	12	0.060	0.758	447
2B-1215	12	15	0.080	0.907	605
2B-1219	12	19	0.080	0.929	715
2B-1225	12	25	0.080	1.094	828
2B-1237	12	37	0.080	1.251	1,159
2B-1002	10	2	0.045	0.270 x 0.455	118
2B-1003	10	3	0.045	0.480	186
2B-1004	10	4	0.060	0.556	265
2B-1005	10	5	0.060	0.611	312
2B-1007	10	7	0.060	0.663	400

Diameters and weights may vary among manufacturers.

Other conductor counts available upon request.

20/10 Substation Control Cable

Anixter No.	Conductor Size AWG	No. of Conductors	Overall Jacket Thickness (in.)	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.
2B-1008	10	8	0.060	0.727	460
2B-1009	10	9	0.060	0.770	446
2B-1012	10	12	0.080	0.912	691
2B-0902	9	2	0.045	0.290 x 0.490	132
2B-0903	9	3	0.045	0.520	188
2B-0904	9	4	0.060	0.600	258
2B-0905	9	5	0.060	0.660	313
2B-0907	9	7	0.060	0.720	418
2B-0909	9	9	0.060	0.845	530

Diameters and weights may vary among manufacturers.
Other conductor counts available upon request.

URD

URD Cable, Copper Conductor, Jacketed

- TR-XLP insulation
- Full concentric neutral
- LLDPE jacket
- 100% insulation level, 5 kV



SPECIFICATIONS

1. CONDUCTOR: Class B stranded, annealed, bare copper, conductor is covered with a semiconducting material
2. INSULATION: Cross-Linked Polyethylene (TR-XLP)
3. INSULATION SHIELD: Extruded semiconducting material
4. CONCENTRIC NEUTRAL: Annealed bare copper spirally applied over the insulation shield
5. OVERALL JACKET: Linear Low Density Polyethylene (LLDPE)
6. STANDARDS: Tested in accordance with AEIC CS8 and ICEA S-94-649
7. TEMPERATURE: 90°C
8. VOLTAGE: 5 kV

APPLICATIONS

For use on single-phase primary underground distribution systems.

Anixter No.	Conductor Size AWG/kcmil	Insulation Thickness (in.)	Nominal Diameter over Insulation (in.)	Nominal Diameter over Insulation Shield (in.)	Concentric Wires No.	Concentric Wires AWG	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.
3JJ-0401	4	0.090	0.43	0.50	16	16	0.74	440
3JJ-0201	2	0.090	0.49	0.56	25	16	0.79	620
3JJ-0101	1	0.090	0.53	0.59	32	16	0.87	790
3JJ-1011	1/0	0.090	0.56	0.63	25	14	0.93	950
3JJ-2021	2/0	0.090	0.60	0.67	20	12	1.01	1,170
3JJ-3031	3/0	0.090	0.65	0.72	25	12	1.06	1,420
3JJ-4041	4/0	0.090	0.70	0.77	20	10	1.15	1,760

Diameters and weights may vary among manufacturers.

URD Cable, Aluminum Conductor, Jacketed

TR-XLP insulation

Full concentric neutral

LLDPE jacket

133% insulation level, 15 kV

**SPECIFICATIONS**

1. CONDUCTOR: Class B stranded aluminum (1350), strand shield is an extruded semiconducting compound
2. INSULATION: Cross-Linked Polyethylene (TR-XLP)
3. INSULATION SHIELD: Extruded semiconducting material
4. CONCENTRIC NEUTRAL: Annealed, bare copper spirally applied over the insulation shield
5. OVERALL JACKET: Linear Low Density Polyethylene (LLDPE) per ICEA
6. STANDARDS: Tested in accordance with AEIC CS8 and ICEA S-94-649
7. TEMPERATURE: 90°C
8. VOLTAGE: 15 kV

APPLICATIONS

For use on single-phase primary underground distribution systems.

Anixter No.	Conductor Size AWG	No. of Strands	Insulation Thickness (in.)	Overall Jacket Thickness (in.)	Concentric Wires No.	Concentric Wires AWG	Nominal O.D. (in.)	Approx. Wt. lb./1,000 ft.
3AMU-0215	2	7	0.220	0.050	10	14	1.10	545
3AMU-0115	1	19	0.220	0.050	13	14	1.14	615
3AMU-1015	1/0	19	0.220	0.050	16	14	1.18	700
3AMU-2015	2/0	19	0.220	0.050	13	12	1.26	845
3AMU-3015	3/0	19	0.220	0.050	16	12	1.31	945
3AMU-4015	4/0	19	0.220	0.050	20	12	1.36	1,120

EPR insulation available upon request. Diameters and weights may vary among manufacturers.

Smart Grid Solutions

Data Center Solutions

Structured Cabling Solutions

- Copper and optical cabling
- Patch cords and patch panels
- Preterminated solutions
- Intelligent patching

Accessories

- Racks, cabinets and shelving
- Cable management
- Overhead duct and ladder rack
- Grounding and bonding

Power and Cooling Solutions

- Power distribution units (PDU)
- Intelligent power strips
- Uninterrupted power supplies (UPS)
- Passive, precision and in-row cooling solutions

Management and Monitoring Solutions

- TZ Praetorian™ Cabinet Locking System
- KVM switches and console managers
- Environmental monitoring and management products
- CSU/DSU

Infrastructure Solutions (Inside the Substation)

Wire and Cable Products

- Control and power cable
- Medium voltage (5 kV to 35 kV)
- Grounding and bare copper cables
- Hook-up and lead wire
- Instrumentation and thermocouple cables
- Specialty wire and cable products

Industrial Communication Products

- Industrial Ethernet cabling and connectivity

- Industrial fiber (preterminated and bulk)
- Industrial-rated active networking components
- Industrial-rated gateway products

Support and Supply Products

- Cable management
- Terminations, splices and lugs
- Grounding products
- Enclosures

Security Solutions

- Video surveillance
- Access control
- Biometrics
- Sensors, contacts, motion detectors
- Intercoms
- IR illuminators

- Media converters
- Network servers, switches and storage
- Wireless transmission systems
- Fiber and copper transmission systems

