

DRILL CORD

**Synthetic Rubber Insulation
Thermoset Jacket
75°C, 600 Volts**

APPLICATIONS:

For use on drills and other mining equipment.
For use on circuits not exceeding 600 volts at a maximum conductor temperature of 75°C.



SPECIFICATIONS:

1. CONDUCTOR: Flexible, annealed, coated, copper.
2. INSULATION: Synthetic rubber per the requirements of ICEA S-75-381 (NEMA WC58).
3. ASSEMBLY: Cabled with fillers where necessary to make round.
4. OVERALL JACKET: Nylon reinforced thermoset jacket.
5. AMPACITY: Based on an ambient temperature of 30°C per ICEA S-75-381, Table J-1. For five and six conductors the values are derated to 80%. For seven conductors the values are derated to 70%.
6. TEMPERATURE: 75°C
7. VOLTAGE: 600 Volts

Anixter Number	Conductor Size	Number of Strands	Number of Conductors	Insulation Thickness	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.	Amps Per Conductor
	AWG			IN	IN		
5AA-1402	14	41	2	.045	.64	239	18.0
5AA-1202	12	65	2	.045	.68	274	25.0
5AA-1002	10	104	2	.045	.73	326	30.0
5AA-1403	14	41	3	.045	.67	263	15.0
5AA-1203	12	65	3	.045	.72	322	20.0
5AA-1003	10	104	3	.045	.80	415	25.0
5AA-1404	14	41	4	.045	.71	303	12.0
5AA-1204	12	65	4	.045	.76	365	16.0
5AA-1004	10	104	4	.045	.84	470	20.0
5AA-1405	14	41	5	.045	.78	375	9.6
5AA-1205	12	65	5	.045	.83	450	12.8
5AA-1005	10	104	5	.045	.90	535	16.0
5AA-1406	14	41	6	.045	.83	430	9.6
5AA-1206	12	65	6	.045	.89	515	12.8
5AA-1006	10	104	6	.045	1.00	620	16.0
5AA-1407	14	41	7	.045	.89	483	8.4
5AA-1207	12	65	7	.045	.98	560	11.2
5AA-1007	10	104	7	.045	1.07	670	14.0

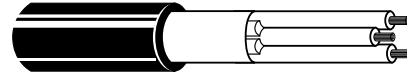
NOTE: Diameters and weights may vary between manufacturers.

SJ

**Synthetic Rubber Insulation
Thermoset Jacket
60°C, 300 Volts**

APPLICATIONS:

For use as power cords on portable tools, major appliances and similar medium-duty applications.



SPECIFICATIONS:

1. CONDUCTOR: Bare, annealed copper per ASTM B-3. Flexible, bunch stranded per UL 62. A separator can be applied over the conductor.
2. INSULATION: Synthetic rubber per UL 62.
3. COLOR CODE: 2/C black, white; 3/C black, white, green; 4/C black, white, red, green.
4. ASSEMBLY: Insulated conductors are cabled with fillers as necessary to make round. A separator is applied over the assembly.
5. OVERALL JACKET: Black, thermosetting rubber.
6. STANDARDS: Meets UL and CSA requirements for Type SJ.
7. AMPACITY: Based on a 30°C ambient temperature per NEC Table 400-5(A), Column A. The values are derated (where applicable) according to NEC Article 400-5.
8. TEMPERATURE: 60°C
9. VOLTAGE: 300 Volts

Anixter Number	Conductor Size	Number of Strands	Number of Conductors	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG			IN	IN	IN		
4D-1802	18	16	2	.030	.030	.29	49	7
4D-1803	18	16	3	.030	.030	.30	64	7
4D-1804	18	16	4	.030	.030	.34	74	5.6
4D-1602	16	26	2	.030	.030	.31	60	10
4D-1603	16	26	3	.030	.030	.33	77	10
4D-1604	16	26	4	.030	.030	.37	95	8
4D-1402	14	41	2	.030	.030	.34	73	15
4D-1403	14	41	3	.030	.030	.37	97	15
4D-1404	14	41	4	.030	.030	.41	120	12
4D-1202	12	65	2	.030	.045	.42	108	20
4D-1203	12	65	3	.030	.045	.44	136	20
4D-1204	12	65	4	.030	.045	.48	180	16
4D-1002	10	105	2	.045	.045	.57	200	25
4D-1003	10	105	3	.045	.045	.60	244	25
4D-1004	10	105	4	.045	.045	.66	306	20

NOTE: Diameters and weights may vary between manufacturers.

SJOW

**Synthetic Rubber Insulation
Thermoset Jacket
90°C, 300 Volts**

APPLICATIONS:

For use with portable appliances, small motors and tools. Also, for light-load general use in equipment exposed to oils, solvents, flame, grease.



SPECIFICATIONS:

1. CONDUCTOR: Bare, annealed copper per ASTM B-3. Flexible, bunch stranded per UL 62. A separator may be applied over the conductor.
2. INSULATION: Synthetic rubber per UL 62.
3. COLOR CODE: 2/C black, white; 3/C black, white, green; 4/C black, white, red, green.
4. ASSEMBLY: Insulated conductors are cabled with fillers as necessary to make round. A separator is applied over the assembly.
5. OVERALL JACKET: Black, oil resistant thermoset compound per UL 62.
6. STANDARDS: Meets UL and CSA requirements for Type SJOOW.
7. AMPACITY: Based on a 30°C ambient temperature per NEC Table 400-5(A), Column A. The values are derated (where applicable) according to NEC Article 400-5.
8. TEMPERATURE: 90°C
9. VOLTAGE: 300 Volts

Anixter Number	Conductor Size	Number of Strands	Number of Conductors	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG			IN	IN	IN		
4B-1802	18	16	2	.030	.030	.280	41	7
4B-1803	18	16	3	.030	.030	.300	54	7
4B-1804	18	16	4	.030	.030	.325	67	5.6
4B-1602	16	26	2	.030	.030	.305	51	10
4B-1603	16	26	3	.030	.030	.325	69	10
4B-1604	16	26	4	.030	.030	.350	84	8
4B-1402	14	41	2	.030	.030	.335	66	15
4B-1403	14	41	3	.030	.030	.360	88	15
4B-1404	14	41	4	.030	.030	.390	111	12
4B-1202	12	65	2	.030	.030	.405	100	20
4B-1203	12	65	3	.030	.030	.425	129	20
4B-1204	12	65	4	.030	.030	.465	164	16
4B-1002	10	104	2	.045	.045	.540	169	25
4B-1003	10	104	3	.045	.045	.565	218	25
4B-1004	10	104	4	.045	.045	.625	281	20

NOTE: Diameters and weights may vary between manufacturers.

Other colors available: Yellow add -05 Suffix to Anixter Number (e.g., 4B-1403-05).

Orange add -08 Suffix to Anixter Number (e.g., 4B-1404-08).

For constantly flexing application, add "F" to Anixter Number (e.g., 4B-1804F).

SJTO AND STO

**Thermoplastic Insulation
Thermoplastic Jacket
60°C, 300 or 600 Volts**

APPLICATIONS:

For use as power cords on machine tools, portable power equipment and appliances.



SPECIFICATIONS:

1. CONDUCTOR: Annealed, bare copper per ASTM B-3. Flexible, bunch stranded per UL 62.
2. INSULATION: Polyvinyl chloride (PVC) per UL 62.
3. COLOR CODE: 2/C black, white; 3/C black, white, green; 4/C black, white, red, green.
4. ASSEMBLY: Insulated conductors are cabled with fillers as necessary to make round.
A separator is applied over the assembly.
5. OVERALL JACKET: Polyvinyl chloride (PVC) per UL 62.
6. STANDARDS: Meets UL and CSA requirements for Type SJTO or STO.
7. AMPACITY: Based on a 30°C ambient temperature per NEC Table 400-5(A), Column A.
8. TEMPERATURE: 60°C
9. VOLTAGE: SJTO, 300 Volts; STO, 600 Volts

Anixter Number*	Conductor Size	Number of Strands	Number of Conductors	Insulation Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG			IN	IN		

TYPE SJTO — 300 VOLTS

4BT-1802	18	16	2	.030	.29	42	10
4BT-1803	18	16	3	.030	.31	53	7
4BT-1804	18	16	4	.030	.34	73	5.6
4BT-1602	16	26	2	.030	.31	54	13
4BT-1603	16	26	3	.030	.33	73	10
4BT-1604	16	26	4	.030	.36	84	8
4BT-1402	14	41	2	.030	.35	71	18
4BT-1403	14	41	3	.030	.37	88	15
4BT-1404	14	41	4	.030	.41	112	12
4BT-1202	12	65	2	.030	.42	135	25

*For flexible strand add "F" suffix to Anixter Number (e.g., 4AT-1602F).

*For yellow add -05 suffix to Anixter Number (e.g., 4BT-1203-05).

*For gray add -09 suffix to Anixter Number (e.g., 4AT-1404-09).

NOTE: Diameters and weights may vary between manufacturers.

SJTO AND STO

Continued

Thermoplastic Insulation
Thermoplastic Jacket
60°C, 300 or 600 Volts



Anixter Number*	Conductor Size	Number of Strands	Number of Conductors	Insulation Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG			IN	IN		

TYPE STO — 600 VOLTS

4AT-1802	18	16	2	.030	.35	73	10
4AT-1803	18	16	3	.030	.37	77	7
4AT-1804	18	16	4	.030	.40	103	5.6
4AT-1602	16	26	2	.030	.38	75	13
4AT-1603	16	26	3	.030	.40	91	10
4AT-1604	16	26	4	.030	.43	109	8
4AT-1605	16	26	5	.030	.50	138	8
4AT-1402	14	41	2	.045	.52	130	18
4AT-1403	14	41	3	.045	.54	160	15
4AT-1404	14	41	4	.045	.58	194	12
4AT-1202	12	65	2	.045	.59	175	25
4AT-1203	12	65	3	.045	.61	216	20
4AT-1204	12	65	4	.045	.66	263	16
4AT-1002	10	105	2	.045	.64	232	30
4AT-1003	10	105	3	.045	.67	278	25
4AT-1004	10	105	4	.045	.73	340	20
4AT-0603	6	133	3	.060	.99	600	45
4AT-0604	6	133	4	.060	1.10	800	36
4AT-1606	16	26	6	.030	.54	105	8
4AT-1609	16	26	9	.030	.60	203	7
4AT-1612	16	26	12	.030	.71	266	5
4AT-1616	16	26	16	.030	.77	319	5
4AT-1620	16	26	20	.030	.84	372	5

*For flexible strand add "F" suffix to Anixter Number (e.g., 4AT-1602F).

*For yellow add -05 suffix to Anixter Number (e.g., 4BT-1203-05).

*For gray add -09 suffix to Anixter Number (e.g., 4AT-1404-09).

NOTE: Diameters and weights may vary between manufacturers.

MISCELLANEOUS SJT, SVO, SVT, HPN

APPLICATIONS:

To provide portable electrical power for light-duty service such as portable tools, lights, vacuum cleaners, toasters, and soldering irons.



SPECIFICATIONS:

1. CONDUCTOR: Annealed, stranded bare copper per ASTM B-174 or B-3 as applicable.
2. INSULATION: Types SJT and SVT: PVC. SVO: EPDM. HPN: Carolprene®.
3. COLOR CODE: 1-Black; 2-White; 3-Green. HPN: Black.
4. ASSEMBLY: The applicable number of insulated conductors are cabled together with fillers, as necessary, to form a round cable. HPN is flat parallel.
5. OVERALL JACKET: Types SJT and SVT: Black PVC. SVO and HPN: Black Carolprene®.
6. UL Listed.
7. AMPACITY: Based on a 30°C ambient temperature per NEC Table 400-5(A), (Column B for SJT, SVO and SVT).
8. TEMPERATURE: Types SJT and SVT: 60°C. SVO and HPN: 90°C.
9. VOLTAGE: 300 Volts

Anixter Number*	Conductor Size	Number of Strands	Number of Conductors	Insulation Thickness	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.	Amps Per Conductor
	AWG			IN	IN		

Type SJT

4DT-1802	18	16	2	.030	.29	48	10
4DT-1803	18	16	3	.030	.32	68	10
4DT-1602	16	26	2	.030	.32	64	13
4DT-1603	16	26	3	.030	.34	83	13
4DT-1403	14	41	3	.030	.37	86	18

Type SVO

4CV-1802	18	41	2	.016	.245	41	10
4CV-1803	18	41	3	.016	.255	50	10

Type SVT

4CT-1802	18	41	2	.030	.235	37	10
----------	----	----	---	------	------	----	----

Type HPN

4J-1602	16	265	2	.016	.16 x .31	44	15
---------	----	-----	---	------	-----------	----	----

NOTE: For European color code add "EC" suffix to the Anixter Number (e.g., 4DT-1803EC).

SHIELDED SOOW 90°C

**Synthetic Rubber Insulation
Thermoset Jacket
90°C, 600 Volts**

APPLICATIONS:

For use as portable power and control cable. It can be used for test or motor leads. Also, it provides heavy-duty service for industrial tools, portable lights, battery chargers, and equipment exposed to oils, solvents and grease.



SPECIFICATIONS:

1. CONDUCTOR: Tin-coated, annealed copper per ASTM B-33.
2. INSULATION: EPR conforming to UL Standard 62.
3. COLOR CODE: K-1 except 3/C which is black, white, green.
4. ASSEMBLY: Insulated conductors are cabled with a suitable lay and fillers as necessary. A separator is applied overall.
5. SHIELD: Tin-coated, annealed copper braid with 85% coverage. A separator is applied overall.
6. OVERALL JACKET: Black, oil resistant, thermoset compound conforming to UL Standard 62.
7. STANDARDS: UL and CSA Listed.
8. AMPACITY: Based on a 30°C ambient temperature per NEC Table 400-5(A), Column A. The values are derated (where applicable) according to NEC 400-5.
9. TEMPERATURE: 90°C
10. VOLTAGE: 600 Volts

Anixter Number	Conductor Size	Number of Strands	Number of Conductors	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG			IN	IN	IN		
4DS-1802	18	16	2	.030	.060	.380	91	7
4DS-1803	18	16	3	.030	.060	.395	102	7
4DS-1804	18	16	4	.030	.060	.420	122	5.6
4DS-1805	18	16	5	.030	.080	.490	149	5.6
4DS-1806	18	16	6	.030	.080	.520	168	5.6
4DS-1807	18	16	7	.030	.080	.520	188	4.9
4DS-1808	18	16	8	.030	.080	.560	210	4.9
4DS-1810	18	16	10	.030	.080	.610	243	3.5
4DS-1812	18	16	12	.030	.080	.630	273	3.5
4DS-1602	16	26	2	.030	.060	.405	102	10
4DS-1603	16	26	3	.030	.060	.420	122	10
4DS-1604	16	26	4	.030	.060	.450	165	8
4DS-1605	16	26	5	.030	.080	.525	179	8
4DS-1606	16	26	6	.030	.080	.560	203	8
4DS-1608	16	26	8	.030	.080	.600	250	7
4DS-1610	16	26	10	.030	.080	.660	314	5
4DS-1612	16	26	12	.030	.095	.720	349	5
4DS-1630	16	26	30	.030	.095	.945	658	4.5

Diameters and weights may vary between manufacturers.

SHIELDED SOOW 90°C

Continued

**Synthetic Rubber Insulation
Thermoset Jacket
90°C, 600 Volts**

Anixter Number	Conductor Size	Number of Strands	Number of Conductors	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
	AWG			IN	IN	IN		
4DS-1402	14	41	2	.045	.080	.520	168	15
4DS-1403	14	41	3	.045	.080	.550	201	15
4DS-1404	14	41	4	.045	.080	.590	257	12
4DS-1405	14	41	5	.045	.080	.605	285	12
4DS-1406	14	41	6	.045	.080	.650	287	12
4DS-1202	12	65	2	.045	.095	.600	216	20
4DS-1203	12	65	3	.045	.095	.630	264	20
4DS-1204	12	65	4	.045	.095	.680	307	16
4DS-1206	12	65	6	.045	.095	.790	417	16
4DS-1003	10	105	3	.045	.095	.660	295	25
4DS-0804	8	65	4	.050	.095	.710	485	28

Diameters and weights may vary between manufacturers.

SOOW 90°C

**Synthetic Rubber Insulation
Thermoset Jacket
90°C, 600 Volts**

APPLICATIONS:

For use as portable electrical power and portable control cable. It can be used for ground test or motor leads. Also, it provides heavy-duty service for industrial tools, portable lights, battery chargers, and equipment exposed to oils, solvents, flame and grease.



SPECIFICATIONS*:

1. CONDUCTOR: Bare, annealed copper per ASTM B-3. Flexible, bunch stranded per UL 62. A separator may be applied over the conductor.
2. INSULATION: Synthetic rubber per UL 62.
3. COLOR CODE: Per ICEA Method 1, Table K-1 except 3/C which is black, white, green.
4. ASSEMBLY: Insulated conductors are cabled with fillers as necessary to make round. A separator is applied over the assembly.
5. OVERALL JACKET: Black, oil resistant thermoset compound per UL 62.
6. STANDARDS: Meets the UL 62 requirements for Type SOOW. Also meets CSA requirements for Type SOOW. Accepted by MSHA and printed with the manufacturer's P number.
7. AMPACITY: Based on a 30°C ambient temperature per NEC Table 400-5(A). The values are derated (where applicable) according to NEC Article 400-5.
8. TEMPERATURE: 90°C
9. VOLTAGE: 600 Volts

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			IN	IN		
4A-1802	18	16	2	.060	.350	86	10
4A-1803	18	16	3	.060	.370	95	7
4A-1804	18	16	4	.060	.400	112	5.6
4A-1805	18	16	5	.080	.480	128	5.6
4A-1806	18	16	6	.080	.510	146	5.6
4A-1807	18	16	7	.080	.510	165	4.9
4A-1808	18	16	8	.080	.560	184	4.9
4A-1809	18	16	9	.080	.620	199	4.9
4A-1810	18	16	10	.080	.620	208	3.5
4A-1812	18	16	12	.080	.640	225	3.5
4A-1814	18	16	14	.095	.713	275	3.5
4A-1816	18	16	16	.095	.749	314	3.5
4A-1820	18	16	20	.095	.920	378	3.5
4A-1824	18	16	24	.095	.901	434	3.2
4A-1830	18	16	30	.095	.970	542	3.2

NOTE: Other conductor counts available upon request. Diameters and weights may vary between manufacturers.

*Material manufactured after 3/1/99 meets these specs.

For yellow jacket add -05 as a suffix to the Anixter Number (e.g., 4A-1603-05).

For European color code add "EC" as a suffix to the Anixter Number (e.g., 4A-1603EC).

SOOW 90°C

Continued

Synthetic Rubber Insulation
Thermoset Jacket
90°C, 600 Volts

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			IN	IN		
4A-1840	18	16	40	.110	1.080	703	2.8
4A-1860	18	16	60	.110	1.301	953	2.5
4A-1602	16	26	2	.060	.370	94	13
4A-1603	16	26	3	.060	.390	110	10
4A-1604	16	26	4	.060	.430	144	8
4A-1605	16	26	5	.080	.510	156	8
4A-1606	16	26	6	.080	.550	178	8
4A-1607	16	26	7	.080	.550	202	7
4A-1608	16	26	8	.080	.560	222	7
4A-1609	16	26	9	.080	.570	268	7
4A-1610	16	26	10	.080	.670	278	5
4A-1612	16	26	12	.095	.720	305	5
4A-1614	16	26	14	.095	.767	348	5
4A-1616	16	26	16	.095	.806	386	5
4A-1620	16	26	20	.095	.870	466	5
4A-1624	16	26	24	.095	1.000	564	4.5
4A-1630	16	26	30	.110	1.040	677	4.5
4A-1640	16	26	40	.110	1.170	881	4
4A-1660	16	26	60	.125	1.465	1260	3.5
4A-1402	14	41	2	.080	.510	158	18
4A-1403	14	41	3	.080	.540	184	15
4A-1404	14	41	4	.080	.580	224	12
4A-1405	14	41	5	.095	.670	260	12
4A-1406	14	41	6	.095	.720	302	12
4A-1407	14	41	7	.095	.720	329	10.5
4A-1408	14	41	8	.095	.760	373	10.5
4A-1409	14	41	9	.095	.890	414	10.5
4A-1410	14	41	10	.095	.890	434	7.5
4A-1412	14	41	12	.095	.900	481	7.5
4A-1414	14	41	14	.095	.965	556	7.5
4A-1416	14	41	16	.110	1.050	657	7.5
4A-1420	14	41	20	.110	1.130	785	7.5
4A-1424	14	41	24	.110	1.130	920	6.7
4A-1430	14	41	30	.125	1.360	1138	6.7
4A-1437	14	41	37	.125	1.500	1400	6
4A-1440	14	41	40	.125	1.540	1429	6
4A-1460	14	41	60	.140	1.925	2156	5.25
4A-1202	12	65	2	.095	.580	204	25
4A-1203	12	65	3	.095	.610	244	20

NOTE: Other conductor counts available upon request.

Diameters and weights may vary between manufacturers.

For yellow jacket add -05 as a suffix to the Anixter Number (e.g., 4A-1203-05). Available in SO only.

For European color code add "EC" as a suffix to the Anixter Number (e.g., 4A-1203EC).

SOOW 90°C

Continued

**Synthetic Rubber Insulation
Thermoset Jacket
90°C, 600 Volts**

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			IN	IN		
4A-1204	12	65	4	.095	.660	282	16
4A-1205	12	65	5	.095	.730	322	16
4A-1206	12	65	6	.095	.780	380	16
4A-1207	12	65	7	.095	.780	435	14
4A-1208	12	65	8	.095	.830	475	14
4A-1209	12	65	9	.095	1.000	550	14
4A-1210	12	65	10	.110	1.000	581	10
4A-1212	12	65	12	.110	1.030	645	10
4A-1214	12	65	14	.110	1.105	743	10
4A-1216	12	65	16	.110	1.165	840	10
4A-1220	12	65	20	.125	1.270	1005	10
4A-1224	12	65	24	.125	1.453	1225	9
4A-1230	12	65	30	.125	1.490	1450	9
4A-1240	12	65	40	.125	1.680	1990	8
4A-1260	12	65	60	.140	2.090	2780	7
4A-1002	10	105	2	.095	.640	250	30
4A-1003	10	105	3	.095	.671	310	25
4A-1004	10	105	4	.095	.730	371	20
4A-1005	10	105	5	.095	.790	425	20
4A-1006	10	105	6	.095	.860	485	20
4A-1007	10	105	7	.095	.860	593	17.5
4A-1008	10	105	8	.095	.920	650	17.5
4A-1009	10	105	9	.110	1.120	725	17.5
4A-1010	10	105	10	.110	1.120	760	12.5
4A-1012	10	105	12	.110	1.160	850	12.5

NOTE: Other conductor counts available upon request.

Diameters and weights may vary between manufacturers.

For yellow jacket add -05 as a suffix to the Anixter Number (e.g., 4A-1203-05). Available in SO only.

For European color code add "EC" as a suffix to the Anixter Number (e.g., 4A-1203EC).

SO

**Synthetic Rubber Insulation
Thermoset Jacket
90°C, 600 Volts**



APPLICATIONS:

For use as portable electrical power, and portable control cable. It can be used for ground test or motor leads and provides heavy-duty service for

industrial tools, portable lights, battery chargers, and equipment exposed to oils, solvents, flame and grease.

SPECIFICATIONS:

1. CONDUCTOR: Bare, annealed copper per ASTM B-3. Flexible, bunch stranded per UL 62. A separator may be applied over the conductor.
2. INSULATION: Synthetic rubber per UL 62.
3. COLOR CODE: Per ICEA Method 1, Table K-1 except 3/C which is black, white, green.
4. ASSEMBLY: Insulated conductors are cabled with fillers as necessary to make round. A separator is applied over the assembly.
5. OVERALL JACKET: Black, oil resistant thermoset compound per UL 62.
6. STANDARDS: Accepted by MSHA and printed with the manufacturer's P number. This product is not UL Listed or CSA Certified.
7. AMPACITY: Based on a 30°C ambient temperature per NEC Table 400-5(A). The values are derated (where applicable) per NEC Article 400-5.
8. TEMPERATURE: 90°C
9. VOLTAGE: 600 Volts

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			IN	IN		
4A-1201	12	65	1	.045	.27	57	25
4A-1001	10	105	1	.045	.29	72	30
4A-0802	8	65	2	.095	.72	345	40
4A-0803	8	65	3	.095	.78	440	35
4A-0804	8	65	4	.095	.81	506	28
4A-0805	8	133	5	.095	.90	630	28
4A-0806	8	133	6	.095	.93	765	28
4A-0602	6	133	2	.095	.80	408	55
4A-0603	6	133	3	.095	.88	562	45
4A-0604	6	133	4	.095	.89	664	36
4A-0605	6	133	5	.095	1.05	807	36
4A-0606	6	133	6	.095	1.15	1010	36
4A-0402	4	133	2	.110	.95	825	70
4A-0403	4	133	3	.110	.99	1020	60
4A-0404	4	133	4	.110	1.22	1405	48
4A-0405	4	133	5	.110	1.35	1450	48
4A-0406	4	133	6	.110	1.40	1550	48
4A-0202	2	133	2	.110	1.09	855	95
4A-0203	2	133	3	.110	1.15	1190	80
4A-0204	2	133	4	.110	1.27	1475	64
4A-0205	2	133	5	.110	1.42	1725	64
4A-0206	2	133	6	.110	1.54	1912	64

NOTE: Diameters and weights may vary between manufacturers.

For European color code add "EC" as a suffix to the Anixter Number (e.g., 4A-0605EC).

SOOW 105°C

**Thermoset Rubber Insulation
Thermoset Polymer Jacket**

**Extra Flexible, Heavy Duty
105°C, 600 Volts**

APPLICATIONS:

To provide portable electrical power for heavy-duty service such as tools, portable lights, battery chargers, and equipment exposed to oils, solvents, grease, moisture and weather. Excellent for low and high temperature service.



SPECIFICATIONS:

1. CONDUCTOR: Bare, annealed copper per ASTM B-3. Stranded per ASTM B-174.
2. INSULATION: Premium grade 105°C thermoset rubber.
3. COLOR CODE: 2/C black, white; 3/C black, white, green; 4/C black, white, red, green.
4. ASSEMBLY: Insulated conductors are cabled with fillers as necessary to make round. A separator is applied over the assembly.
5. OVERALL JACKET: Yellow premium thermoset polymer compound.
6. STANDARDS: Meets UL and CSA requirements for 105°C type SOOW.
7. AMPACITY: Based on a 30°C ambient temperature per NEC Table 400-5(A). The values are derated (where applicable) according to NEC 400-5.
8. TEMPERATURE: -50°C to +105°C
9. VOLTAGE: 600 Volts

Anixter Number	Conductor Size	Number of Strands	Number of Conductors	Insulation Thickness	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.	Amps Per Conductor
	AWG			IN	IN		
4AX-1802-05	18	41	2	.030	.365	71	7
4AX-1803-05	18	41	3	.030	.380	82	10
4AX-1804-05	18	41	4	.030	.410	94	5.6
4AX-1602-05	16	65	2	.030	.390	82	13
4AX-1603-05	16	65	3	.030	.410	97	10
4AX-1604-05	16	65	4	.030	.450	111	8
4AX-1402-05	14	41	2	.045	.530	141	18
4AX-1403-05	14	41	3	.045	.560	165	15
4AX-1404-05	14	41	4	.045	.600	186	12
4AX-1202-05	12	65	2	.045	.600	178	25
4AX-1203-05	12	65	3	.045	.635	222	20
4AX-1204-05	12	65	4	.045	.670	275	16
4AX-1003-05	10	104	3	.045	.690	289	25
4AX-1004-05	10	104	4	.045	.750	339	20

NOTE: Special water resistant cable available, UL & CSA; 600V, 90°C, black (e.g., 4AW-1404A). Diameters and weights may vary between manufacturers.

SEOW

TPE Insulation
TPE Jacket
-40°C to 105°C, 600 Volts

APPLICATIONS:

To provide control and power where exceptional flexibility and abrasion resistance over a wide temperature range is required. For indoor and outdoor use on push button remote controls, industrial robotic systems and other portable tools and equipment.



SPECIFICATIONS:

1. CONDUCTOR: Bare, annealed Class K stranded copper.
2. INSULATION: Oil resistant thermoplastic elastomer (TPE).
3. COLOR CODE: 2/C black, white; 3/C black, white, green; 4/C black, white, red, green; 5/C black, white, red, green, orange.
4. ASSEMBLY: Insulated conductors are cabled together with fillers for maximum flexibility and roundness.
5. OVERALL JACKET: Chemical, oil and gas resistant black TPE jacket.
6. STANDARDS: Sizes 18 through 10 AWG meet UL and CSA requirements. All sizes meet Federal Specification J-C-580B and are MSHA approved.
7. AMPACITY: Based on a 90°C conductor and a 30°C ambient temperature per NEC Table 400-5(A). The values are derated (where applicable) according to NEC 400-5.
8. TEMPERATURE: -40°C to 105°C
9. VOLTAGE: 600 Volts
10. FT2 Flame Resistant

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			IN	IN		
4BD-1802	18	16	2	.060	.35	55	10
4BD-1803	18	16	3	.060	.37	69	7
4BD-1804	18	16	4	.060	.39	77	5.6
4BD-1602	16	26	2	.060	.40	65	13
4BD-1603	16	26	3	.060	.37	76	10
4BD-1604	16	26	4	.060	.39	92	8
4BD-1402	14	41	2	.080	.51	116	18
4BD-1403	14	41	3	.080	.52	135	15
4BD-1404	14	41	4	.080	.58	165	12
4BD-1202	12	65	2	.100	.57	155	25
4BD-1203	12	65	3	.100	.60	184	20
4BD-1204	12	65	4	.100	.65	226	16
4BD-1002	10	105	2	.100	.62	207	30
4BD-1003	10	105	3	.100	.66	241	25
4BD-1004	10	105	4	.100	.71	302	20
4BD-0803	8	105	3	.090	.72	301	35
4BD-0804	8	119	4	.100	.81	393	28
4BD-0805	8	119	5	.100	.88	450	28

NOTE: 8 AWG and larger are not UL Listed or CSA Certified. Also available in 300 Volt SJEO and 600 Volt SEOW styles.

RETRACTILE SO, SJO, SVO

Rubber Insulation
Neoprene Jacket
300 and 600 Volts

APPLICATIONS:

Power and control circuits in industrial and commercial facilities where extensibility, flexibility and toughness are required.



SPECIFICATIONS:

1. CONDUCTOR: Stranded bare copper.
2. INSULATION: Color-coded rubber.
3. OVERALL JACKET: Black Neoprene.
4. STANDARDS: UL and CSA.
5. TEMPERATURE: -30°C to 60°C
6. RETRACTED TO EXTENDED RATIO: 1 to 5

Anixter Number*	Conductor Size	Number of Conductors	Strand	UL Type	Voltage	Amps Per Conductor
	AWG		Number/AWG			
4ZZ-1802-xx-SVO	18	2	41/34	SVO	300	7
4ZZ-1803-xx-SVO	18	3	41/34	SVO	300	7
4ZZ-1802-xx-SJO	18	2	41/34	SJO	300	7
4ZZ-1803-xx-SJO	18	3	41/34	SJO	300	7
4ZZ-1803-xx-SO	18	3	41/34	SO	600	7
4ZZ-1804-xx-SJO	18	4	41/34	SJO	300	5.6
4ZZ-1804-xx-SO	18	4	41/34	SO	600	5.6
4ZZ-1602-xx-SJO	16	2	65/34	SJO	300	10
4ZZ-1603-xx-SJO	16	3	65/34	SJO	300	10
4ZZ-1604-xx-SJO	16	4	65/34	SJO	300	8
4ZZ-1603-xx-SO	16	3	65/34	SO	600	10
4ZZ-1604-xx-SO	16	4	65/34	SO	600	8
4ZZ-1605-xx-SO	16	5	65/34	SO	600	8
4ZZ-1606-xx-SO	16	6	65/34	SO	600	7
4ZZ-1402-xx-SO	14	2	41/30	SO	600	15
4ZZ-1403-xx-SO	14	3	41/30	SO	600	15
4ZZ-1404-xx-SO	14	4	41/30	SO	600	12
4ZZ-1407-xx-SO	14	7	41/30	SO	600	10
4ZZ-1203-xx-SO	12	3	65/30	SO	600	20
4ZZ-1204-xx-SO	12	4	65/30	SO	600	16
4ZZ-1207-xx-SO	12	7	65/30	SO	600	16
4ZZ-1004-xx-SO	10	4	104/30	SO	600	20

*NOTE: Available in 12, 24, 36 and 48 inch retracted lengths. Replace "xx" in Anixter Number with length in inches (e.g., 4ZZ-1802-48-SVO for a 48-inch cord).

Conductor color code: 1-Black, 2-White, 3-Green, 4-Red, 5-Yellow or Orange, 6-Brown. Cords with 7 conductors are coded Black, White, Red, Green, Orange, Blue, and White with a Black tracer.

Tangent length is 6 inches or more.

Outdoor (W) Rating and other styles also available.

WELDING CABLE

**Thermoset
Insulation/Jacket
90°C**

APPLICATIONS:

For use as flexible lead from welding machine to electrode holder. These cables are designed for use only with the secondary voltages typical of welding equipment.



SPECIFICATIONS:

1. CONDUCTOR: Class K (30 AWG*) rope-stranded copper per ASTM B-172. A separator is applied over the conductor.
2. OVERALL JACKET: Thermoset meeting the requirements of ICEA S-75-381 (NEMA WC58).
3. TEMPERATURE: 105°C

Anixter Number	Conductor Size	Number of Strands	Insulation Thickness	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.
	AWG/kcmil		IN	IN	
5J-0601	6	259	.070	.380	135
5J-0401	4	413	.070	.420	215
5J-0301	3	532	.070	.470	230
5J-0201	2	651	.070	.495	280
5J-0101	1	840	.070	.520	360
5J-1011	1/0	1050	.090	.615	425
5J-2021	2/0	1323	.090	.650	510
5J-3031	3/0	1666	.110	.720	615
5J-4041	4/0	2107	.110	.835	760
5J-2501	250	2450	.125	.925	855
5J-3501	350	3458	.125	1.050	1290
5J-5001	500	5054	.125	1.210	1800

*34 AWG stranding also available (see next page).

NOTE: UL available on request.

Diameters and weights may vary between manufacturers.

Additional colors available from stock (e.g., Red).

NOTE: Stranding varies by manufacturer. Above is Essex.

Welding Machine Rating	Lengths Up to 45 Ft.	Lengths 46 Ft. to 100 Ft.	Lengths 101 Ft. to 250 Ft.
	AWG	AWG	AWG
75 Amperes	4	4	4
100 Amperes	2	2	2
200 Amperes	1	1	2/0
300 Amperes	1/0	2/0	4/0
400 Amperes	2/0	3/0	—
600 Amperes	3/0	4/0	—

NOTE: Lengths are from power supply to electrode holder (one way).

WELDING CABLE EXTRA FLEXIBLE

**Thermoset
Insulation/Jacket
90°C**

APPLICATIONS:

Welding lead for connecting electrode holder to welder where added flexibility is desired or required.



SPECIFICATIONS:

1. CONDUCTOR: Class M (34 AWG) rope-stranded copper conductor per ASTM B-172. A separator is applied over the conductor.
2. OVERALL JACKET: Thermoset meeting the requirements of ICEA S-75-381 (NEMA WC58).
3. STANDARDS: UL and CSA listed cable is also accepted by MSHA.
4. TEMPERATURE: 105°C

Anixter Number	Conductor Size	Number of Strands	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.
	AWG/kcmil		IN	

Non UL Listed

5J-0601F	6	665	.351	136
5J-0401F	4	1064	.420	200
5J-0301F	3	1330	.452	242
5J-0201F	2	1653	.480	294
5J-0101F	1	2109	.522	340
5J-1011F	1/0	2664	.570	440
5J-2021F	2/0	3330	.628	546
5J-3031F	3/0	4107	.712	680
5J-4041F	4/0	5320	.840	866

UL and CSA Listed — Orange

5J-0601F-08	6	647	.370	152
5J-0401F-08	4	1045	.420	211
5J-0201F-08	2	1650	.490	302
5J-0101F-08	1	2090	.530	364
5J-1011F-08	1/0	2640	.610	464
5J-2021F-08	2/0	3300	.650	549
5J-3031F-08	3/0	4180	.720	682
5J-4041F-08	4/0	5225	.830	871

NOTE: Diameters and weights may vary between manufacturers.

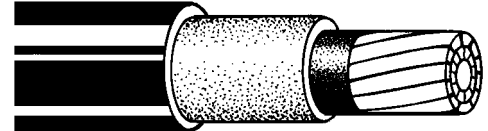
5–15kV JUMPER CABLE NON-SHIELDED

**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.

ICEA CONDUCTOR IDENTIFICATION FOR PORTABLE CABLES

**Table E-1 and K-1
COLOR SEQUENCE
(K-1 extends through conductor number 21 and then repeats)**

Conductor Number	Background or Base Color	First Tracer Color	Second Tracer Color	Conductor Number	Background or Base Color	First Tracer Color	Second Tracer Color
1	Black	...	...	31	Green	Black	Orange
2	White	...	...	32	Orange	Black	Green
3	Red	...	...	33	Blue	White	Orange
4	Green	...	...	34	Black	White	Orange
5	Orange	...	...	35	White	Red	Orange
6	Blue	...	...	36	Orange	White	Blue
7	White	Black	...	37	White	Red	Blue
8	Red	Black	...	38	Black	White	Green
9	Green	Black	...	39	White	Black	Green
10	Orange	Black	...	40	Red	White	Green
11	Blue	Black	...	41	Green	White	Blue
12	Black	White	...	42	Orange	Red	Green
13	Red	White	...	43	Blue	Red	Green
14	Green	White	...	44	White	White	Blue
15	Blue	White	...	45	White	Black	Blue
16	Black	Red	...	46	Red	White	Blue
17	White	Red	...	47	Green	Orange	Red
18	Orange	Red	...	48	Orange	Red	Blue
19	Blue	Red	...	49	Blue	Red	Orange
20	Red	Green	...	50	Black	Orange	Red
21	Orange	Green	...	51	White	Black	Orange
22	Black	White	Red	52	Red	Orange	Black
23	White	Black	Red	53	Green	Red	Blue
24	Red	Black	White	54	Orange	Black	Blue
25	Green	Black	White	55	Blue	Black	Orange
26	Orange	Black	White	56	Black	Orange	Green
27	Blue	Black	White	57	White	Orange	Green
28	Black	Red	Green	58	Red	Orange	Green
29	White	Red	Green	59	Green	Black	Blue
30	Red	Black	Green	60	Orange	Green	Blue