

300V INSTRUMENTATION BELDEN

Aluminum Armor PVC Jacket

APPLICATIONS:

Used in industrial locations requiring extra mechanical protection and system reliability for high speed electronic signalling.

SPECIFICATIONS:

- CABLE CORE:** Cable design configurations for the following PLC manufacturers:
 Allen Bradley, Square D: 129463
 Allen Bradley: 129842, 128723
 IBM, Foxboro: 129207
 Modicon: 129114, 129841
 GE Fanuc, DEC: 129182
 Digital, Foxboro, Hewlett Packard: 129880
 IBM: 129269
 Honeywell: 129729
- ARMOR:** Aluminum interlocked.
- OVERALL JACKET:** Polyvinyl chloride (PVC).
- STANDARDS:** Meets UL 1581 70,000 BTU flame test. Meets CSA FT4 flame test requirements. Low acid gas outer jacket per CSA.

Anixter Number	Belden Part No.	Conductor Size AWG	Nominal O.D.			Approx. Weight Lbs. 1000 Ft.
			Inner Jacket	Armor	Outer Jacket	
			IN	IN	IN	
317-010-2402-BA	129729	24	.317	.550	.650	154
318-011-2203-BA	128777	22	.273	.490	.590	143
318-198-2202-BA	128723	22	.240	.455	.560	117
317-011-2401A-BA	129841	24	.232	.470	.560	135
317-011-2402A-BA	129842	24	.340	.560	.660	175
308-011-0622A-BA	129268	22	.260	.475	.580	136
308-011-0621-BA	129269	22	.240	.460	.560	131
318-298-2201DS-BA	129182	22	.345	.565	.670	153
310-035-9838-BA	129207	20	.330	.540	.640	173
309-011-7897A-BA	129463*	20	.243	.460	.560	133
308-011-0066-BA	129114	18	.270	.490	.590	137
308-011-0063-BA	129290	18	.290	.505	.610	161
307-011-011A-BA	128261	18	.405	.620	.730	224
308-011-0114-BA	129292	14	.405	.620	.730	211
308-075-0501-BA	129880	12	.405	.620	.730	248
309-047-1244-BA	129860	16	.440	.655	.765	241

* This product is frequently referred to as Allen Bradley armored "Blue Hose."

Remove 12 from Belden Part Number to get Core Part Number (e.g. 129463 is armored Belden 9463).

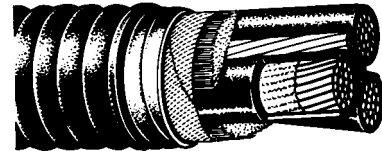
NOTE: Galvanized steel interlocked armor available upon request.

600V MULTI CONDUCTOR

**Aluminum Armor
XLP Insulation
90°C, 600 Volts**

APPLICATIONS:

For use in control circuits in industrial plants, commercial buildings, and central and sub-station utility applications. May be installed in trays, racks, hangers, etc., eliminating the need for conduit. Suitable for indoor and outdoor installation.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, annealed copper per ASTM B-3, B-8.
2. INSULATION: Cross-linked polyethylene (XLP) meeting the requirements of ICEA S-73-532 (NEMA WC57) and Type XHHW-2 requirements of UL. Color coding is Method 1, Table E-2 (formerly K-2) in accordance with the NEC.
3. ASSEMBLY: The insulated conductors and a single uninsulated, bare copper UL size ground wire are cabled with fillers to make round.
4. ARMOR: An aluminum interlocked armor is applied overall in accordance with UL1569 and ICEA.
5. OVERALL JACKET: Black, sunlight resistant polyvinyl chloride (PVC) applied overall per ICEA.
6. STANDARDS: Cables meet the UL and IEEE 383 70,000 BTU flame tests and are marked "FOR CT USE." Individual conductors and completed cables are tested in accordance with UL requirements for Type MC cables.
7. AMPACITY: Based on not more than three conductors in raceway or cable or earth based on an ambient temperature of 30°C per NEC 310-16. Values have been derated for more than three conductors in accordance with the NEC.
8. TEMPERATURE: 90°C
9. VOLTAGE: 600 Volts

Anixter Number	Cond. Size	No. of Strands	No. of	Insulation Thickness	Ground Wire Size	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Cond.
	AWG		Cond.		IN				
7A-1402A	14	7	2	.030	14	.050	0.56	160	25†
7A-1403A	14	7	3	.030	14	.050	0.58	185	25†
7A-1404A	14	7	4	.030	14	.050	0.64	220	20.0
7A-1405A	14	7	5	.030	14	.050	0.66	245	20.0
7A-1407A	14	7	7	.030	14	.050	0.70	295	17.5
7A-1409A	14	7	9	.030	14	.050	0.78	360	17.5
7A-1412A	14	7	12	.030	14	.050	0.87	430	12.5
7A-1415A	14	7	15	.030	14	.050	0.95	515	12.5
7A-1419A	14	7	19	.030	14	.050	1.00	590	12.5
7A-1425A	14	7	25	.030	14	.050	1.14	750	11.3
7A-1437A	14	7	37	.030	14	.050	1.27	1110	10.0

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

NOTE: Galvanized steel interlocked armor available upon request. Use suffix "S" instead of "A." Diameters and weights may vary between manufacturers.

600V MULTI CONDUCTOR

Continued

**Aluminum Armor
XLP Insulation
90°C, 600 Volts**

Anixter Number	Cond. Size	No. of Strands	No. of Cond.	Insulation Thickness	Ground Wire Size	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Cond.
	AWG			IN	AWG	IN	IN		
7A-1202A	12	7	2	.030	12	.050	0.61	205	30†
7A-1203A	12	7	3	.030	12	.050	0.63	230	30†
7A-1204A	12	7	4	.030	12	.050	0.67	275	24.0
7A-1205A	12	7	5	.030	12	.050	0.73	315	24.0
7A-1207A	12	7	7	.030	12	.050	0.78	375	21.0
7A-1209A	12	7	9	.030	12	.050	0.87	460	21.0
7A-1212A	12	7	12	.030	12	.050	0.96	570	15.0
7A-1215A	12	7	15	.030	12	.050	1.05	670	15.0
7A-1219A	12	7	19	.030	12	.050	1.10	790	15.0
7A-1224A	12	7	24	.030	12	.050	1.26	1035	13.5
7A-1237A	12	7	37	.030	12	.050	1.41	1395	12.0
7A-1002A	10	7	2	.030	10	.050	0.67	260	40†
7A-1003A	10	7	3	.030	10	.050	0.68	300	40†
7A-1004A	10	7	4	.030	10	.050	0.75	355	32.0
7A-1005A	10	7	5	.030	10	.050	0.80	410	32.0
7A-1007A	10	7	7	.030	10	.050	0.85	500	28.0
7A-1009A	10	7	9	.030	10	.050	0.96	620	28.0
7A-1012A	10	7	12	.030	10	.050	1.07	770	20.0
7A-1015A	10	7	15	.030	10	.050	1.17	920	20.0
7A-1019A	10	7	19	.030	10	.050	1.22	1095	20.0
7A-1024A	10	7	24	.030	10	.050	1.40	1390	18.0
7A-1037A	10	7	37	.030	10	.050	1.58	1935	16.0

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

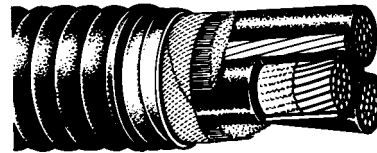
NOTE: Galvanized steel interlocked armor available upon request. Use suffix "S" instead of "A."
Diameters and weights may vary between manufacturers.

600V THREE CONDUCTOR

**Aluminum Armor
XLP Insulation
90°C, 600 Volts**

APPLICATIONS:

For use in power circuits in industrial plants, commercial buildings, and central and sub-station utility applications. May be installed in trays, racks, hangers, etc., eliminating the need for conduit. Suitable for indoor and outdoor installation.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, annealed copper per ASTM B-3, B-8.
2. INSULATION: Cross-linked polyethylene (XLP) meeting the requirements of ICEA S-66-524 and Type XHHW-2 requirements of UL. Conductors are identified by number coding "1," "2" and "3" on the surface of the insulation.
3. ASSEMBLY: The insulated conductors and a single uninsulated, bare copper UL size ground wire are cabled with fillers to make round.
4. ARMOR: An aluminum interlocked armor is applied overall in accordance with UL 1569 and ICEA.
5. OVERALL JACKET: Black, sunlight resistant polyvinyl chloride (PVC) applied overall per ICEA.
6. STANDARDS: Cables meet the UL and IEEE 383 70,000 BTU flame tests and are marked "FOR CT USE." Individual conductors and completed cables are tested in accordance with UL requirements for Type MC cables.
7. AMPACITY: Based on not more than three conductors in raceway or cable or earth based on an ambient temperature of 30°C per NEC 310-16.
8. TEMPERATURE: 90°C
9. VOLTAGE: 600 Volts

Anixter Number	Cond. Size	No. of Strands	Insulation Thickness	Ground Wire Size	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Cond.
	AWG/kcmil		IN	AWG	IN	IN		
7A-0803A	8	7	.045	10	.050	0.80	410	55
7A-0603A	6	7	.045	8	.050	0.88	550	75
7A-0403A	4	7	.045	8	.050	0.99	740	95
7A-0203A	2	7	.045	6	.050	1.12	1075	130
7A-0103A	1	19	.055	6	.050	1.27	1380	150
7A-1013A	1/0	19	.055	6	.050	1.34	1555	170
7A-2023A	2/0	19	.055	6	.050	1.43	1850	195
7A-3033A	3/0	19	.055	4	.050	1.57	2350	225
7A-4043A	4/0	19	.055	4	.060	1.68	2820	260
7A-2503A	250	37	.065	4	.060	1.86	3310	290
7A-3503A	350	37	.065	3	.060	2.10	4475	350
7A-5003A	500	37	.065	2	.060	2.36	6075	430
7A-7503A	750	61	.080	1	.075	2.92	8960	535
7A-10003A	1000	61	.080	1/0	.085	3.25	11500	615

NOTE: Galvanized steel interlocked armor available upon request. Use suffix "S" instead of "A."
 Constructions with oversize ground wires are available. Use suffix "A-OG" instead of "A."
 Oversize ground wire availability for paralleling application. Special rules apply when paralleling these cables. Contact Anixter for application assistance.
 Diameters and weights may vary between manufacturers.

600V FOUR CONDUCTOR

Aluminum Armor
XLP Insulation
90°C, 600 Volts

APPLICATIONS:

For use in power circuits in industrial plants, commercial buildings, and central and sub-station utility applications. May be installed in trays, racks, hangers, etc., eliminating the need for conduit. Suitable for indoor and outdoor installation.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, annealed copper per ASTM B-3, B-8.
2. INSULATION: Cross-linked polyethylene (XLP) meeting the requirements of ICEA S-66-524 and Type XHHW-2 requirements of UL. Conductors are identified by number coding "1," "2," "3" and "4" on the surface of the insulation.
3. ASSEMBLY: The insulated conductors and two uninsulated, bare copper UL size ground wires are cabled with fillers to make round.
4. ARMOR: An aluminum interlocked armor is applied overall in accordance with UL 1569 and ICEA.
5. OVERALL JACKET: Black, sunlight resistant polyvinyl chloride (PVC) applied overall per ICEA.
6. STANDARDS: Cables meet the UL and IEEE 383 70,000 BTU flame tests and are marked "FOR CT USE." Individual conductors and completed cables are tested in accordance with UL requirements for Type MC cables.
7. AMPACITY: Based on not more than three conductors in raceway or cable or earth based on an ambient temperature of 30°C per NEC 310-16. Values have been derated for more than three conductors in accordance with the NEC.
8. TEMPERATURE: 90°C
9. VOLTAGE: 600 Volts

Anixter Number	Cond. Size	No. of Strands	Insulation Thickness	Ground Wire Size	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Cond.
	AWG/kcmil		IN	AWG	IN	IN		
7A-0804A	8	7	.045	12	.050	.86	505	44
7A-0604A	6	7	.045	10	.050	.95	685	60
7A-0404A	4	7	.045	10	.050	1.07	925	76
7A-0204A	2	7	.045	9	.050	1.22	1290	104
7A-0104A	1	19	.055	9	.050	1.36	1605	120
7A-1014A	1/0	19	.055	9	.050	1.46	1935	136
7A-2024A	2/0	19	.055	9	.050	1.56	2355	156
7A-3034A	3/0	19	.055	7	.060	1.71	2935	180
7A-4044A	4/0	19	.055	7	.060	1.88	3640	208
7A-2504A	250	37	.065	7	.060	2.04	4210	232
7A-3504A	350	37	.065	6	.060	2.30	5710	280
7A-5004A	500	37	.065	5	.075	2.63	7910	344
7A-7504A	750	61	.080	4	.085	3.22	11480	428

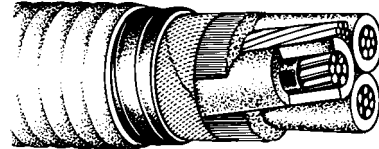
NOTE: Galvanized steel interlocked armor available upon request. Use suffix "S" instead of "A."
 Oversized ground wire availability for paralleling application. Special rules apply when paralleling these cables. Contact Anixter for application assistance.
 Diameters and weights may vary between manufacturers.

5kV THREE CONDUCTOR NON-SHIELDED

Aluminum Armor
EPR Insulation
133% Insulation Level

APPLICATIONS:

For use in power circuits in industrial plants, commercial buildings, and central and sub-station utility applications. May be installed in trays, racks, hangers, etc., eliminating the need for conduit. Suitable for indoor and outdoor installation.



SPECIFICATIONS:

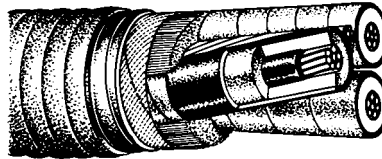
1. CONDUCTOR: Class B stranded, bare, annealed copper per ASTM B-3, B-8. Strand shield is an extruded semiconducting material.
2. INSULATION: Ethylene propylene rubber (EPR) per ICEA S-68-516. The insulated phase conductors are printed with the numerals "1," "2" and "3."
3. ASSEMBLY: The three phase conductors are cabled with a UL, Class B stranded, uninsulated ground wire and fillers to make round. A binder tape is applied overall.
4. ARMOR: An aluminum interlocked armor is applied over the cable core meeting the requirements of UL 1072 and ICEA.
5. OVERALL JACKET: An extruded covering of yellow polyvinyl chloride (PVC) is applied overall per ICEA. The jacket meets the sunlight resistance requirements of UL.
6. STANDARDS: Cable shall be tested in accordance with UL requirements for Type MV-105, Type MC and ICEA S-68-516. Cables meet the UL flame test requirements and are listed "FOR CT USE."
7. AMPACITY: Based on a three conductor cable isolated in air with a conductor temperature of 90°C and an ambient temperature of 40°C per NEC 310-71.
8. TEMPERATURE: 90°C
9. VOLTAGE: 5kV

Anixter Number	Cond. Size	No. of Strands	Insulation Thickness	Ground Wire Size	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Cond.
	AWG/kcmil		IN	AWG	IN	IN		
7B-0603A	6	7	6	.115	.050	1.30	905	79
7B-0403A	4	7	6	.115	.050	1.40	1115	105
7B-0203A	2	7	6	.115	.050	1.53	1430	140
7B-0103A	1	19	4	.115	.050	1.61	1770	160
7B-1013A	1/0	19	4	.115	.060	1.72	2025	185
7B-2023A	2/0	19	4	.115	.060	1.85	2390	215
7B-3033A	3/0	19	3	.115	.060	1.96	3000	250
7B-4043A	4/0	19	3	.115	.060	2.08	3395	285
7B-2503A	250	37	3	.115	.060	2.20	3900	320
7B-3503A	350	37	2	.115	.060	2.46	5105	395
7B-5003A	500	37	1	.115	.075	2.73	6800	485
7B-7503A	750	61	1/0	.115	.075	3.14	9400	615
7B-10003A	1000	61	1/0	.115	.085	3.51	12870	705

NOTE: .090" insulation thickness or galvanized steel interlocked armor available upon request. Diameters and weights may vary between manufacturers.

5kV THREE CONDUCTOR SHIELDED

Aluminum Armor
EPR Insulation
133% Insulation Level



APPLICATIONS:

For use in power circuits in industrial plants, commercial buildings, and central and sub-station utility applications. May be installed in

trays, racks, hangers, etc., eliminating the need for conduit. Suitable for indoor and outdoor installation.

SPECIFICATIONS:

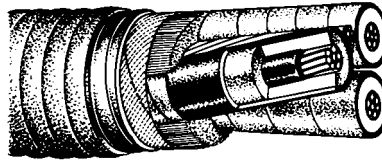
1. CONDUCTOR: Class B stranded, bare, annealed copper per ASTM B-3, B-8. Strand shield is an extruded semiconducting material.
2. INSULATION: Ethylene propylene rubber (EPR) per ICEA S-68-516 (NEMA WC8).
3. SHIELDING: An extruded conducting thermosetting insulation shield is applied over the insulation. An uncoated copper tape is helically applied overall per ICEA S-68-516. A colored tape (1/C black, 1/C red, 1/C blue) is applied under the tape shield for identification.
4. ASSEMBLY: The three phase conductors are cabled with a UL, Class B stranded, uninsulated ground wire and fillers to make round. A binder tape is applied overall.
5. ARMOR: An aluminum interlocked armor is applied over the cable core meeting the requirements of UL 1072 and ICEA.
6. OVERALL JACKET: An extruded covering of yellow polyvinyl chloride (PVC) is applied overall per ICEA. This jacket meets the sunlight resistance requirements of UL.
7. STANDARDS: Cable shall be tested in accordance with UL requirements for Type MV-105, Type MC and ICEA S-68-516. Cables meet the UL flame test requirements and are listed "FOR CT USE."
8. AMPACITY: Based on a three conductor cable isolated in air with a conductor temperature of 90°C and an ambient temperature of 40°C per NEC 310-71.
9. TEMPERATURE: 90°C
10. VOLTAGE: 5kV

Anixter Number	Cond. Size	No. of Strands	Insulation Thickness	Ground Wire Size	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Cond.
	AWG/kcmil		IN	AWG	IN	IN		
7BB-0603A	6	7	6	.115	.050	1.50	1160	79
7BB-0403A	4	7	6	.115	.050	1.60	1380	105
7BB-0203A	2	7	6	.115	.050	1.75	1760	140
7BB-0103A	1	19	4	.115	.050	1.87	2055	160
7BB-1013A	1/0	19	4	.115	.050	1.96	2345	185
7BB-2023A	2/0	19	4	.115	.060	2.05	2705	215
7BB-3033A	3/0	19	3	.115	.060	2.16	2920	250
7BB-4043A	4/0	19	3	.115	.060	2.28	3805	285
7BB-2503A	250	37	3	.115	.060	2.41	4275	320
7BB-3503A	350	37	2	.115	.075	2.66	5655	395
7BB-5003A	500	37	1	.115	.075	2.99	7565	485
7BB-7503A	750	61	1/0	.115	.075	3.42	10450	615
7BB-10003A	1000	61	1/0	.115	.085	3.78	12419	705

NOTE: .090" insulation thickness or galvanized steel interlocked armor available upon request. Diameters and weights may vary between manufacturers.

15kV THREE CONDUCTOR 133% INSULATION LEVEL

**Aluminum Armor
EPR Insulation
Shielded**



APPLICATIONS:

For use in power circuits in industrial plants, commercial buildings, and central and sub-station utility applications. May be installed

in trays, racks, hangers, etc., eliminating the need for conduit. Suitable for indoor and outdoor installation.

SPECIFICATIONS:

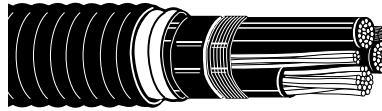
1. CONDUCTOR: Class B stranded, bare, annealed copper per ASTM B-3, B-8. Strand shield is an extruded semiconducting material.
2. INSULATION: Ethylene propylene rubber (EPR) per ICEA S-68-516.
3. SHIELDING: An extruded conducting thermosetting insulation shield is applied over the insulation. An uncoated copper tape is helically applied overall per ICEA S-68-516. A colored tape (1/C black, 1/C red, 1/C blue) is applied under the tape shield for identification.
4. ASSEMBLY: The three phase conductors are cabled with a UL, Class B stranded, uninsulated ground wire and fillers to make round. A binder tape is applied overall.
5. ARMOR: An aluminum interlocked armor is applied over the cable core meeting the requirements of UL 1072 and ICEA.
6. OVERALL JACKET: An extruded covering of red polyvinyl chloride (PVC) is applied overall per ICEA. This jacket meets the sunlight resistance requirements of UL.
7. STANDARDS: Cable shall be tested in accordance with UL requirements for Type MV-105, Type MC and ICEA S-68-516. Cables meet the UL flame test requirements and are listed "FOR CT USE."
8. AMPACITY: Based on a three conductor cable isolated in air with a conductor temperature of 90°C and an ambient temperature of 40°C per NEC 310-71.
9. TEMPERATURE: 90°C
10. VOLTAGE: 15kV

Anixter Number	Cond. Size	No. of Strands	Ground Wire Size	Insul. Thick.	Overall Jacket Thick.	Nom. O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Cond.	Terminations
	AWG/kcmil		AWG	IN	IN	IN			Anixter Number
7D-0203A	2	7	6	.220	.060	2.23	2605	165	034004
7D-0103A	1	19	4	.220	.060	2.33	2835	185	034004
7D-1013A	1/0	19	4	.220	.060	2.41	3100	215	034004
7D-2023A	2/0	19	4	.220	.075	2.55	3530	245	037023
7D-3033A	3/0	19	3	.220	.075	2.66	3990	285	037023
7D-4043A	4/0	19	3	.220	.075	2.77	4615	325	037023
7D-2503A	250	37	3	.220	.075	2.95	5315	360	037023
7D-3503A	350	37	2	.220	.075	3.17	6600	435	037023
7D-5003A	500	37	1	.220	.085	3.47	8710	535	057312
7D-7503A	750	61	1/0	.220	.085	3.85	11721	670	057312
7D-10003A	1000	61	1/0	.220	.085	4.22	14761	770	057312

NOTE: .175" insulation thickness or galvanized steel interlocked armor available upon request. Diameters and weights may vary between manufacturers.

600V MULTI CONDUCTOR

Aluminum Armor
XLP Insulation
Inner and Outer PVC Jackets
90°C, UL & CSA 600V



APPLICATIONS:

For use in control circuits in industrial plants, commercial buildings, and central and sub-station utility applications. May be installed in

trays, racks, hangers, etc., eliminating the need for conduit. Suitable for indoor and outdoor installation.

SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, annealed copper per ASTM B-3, B-8.
2. INSULATION: Cross-linked polyethylene (XLP) per ICEA S-73-532 (NEMA WC57), Type XHHW-2 requirements of UL and RW90 requirements of CSA. Color coding is Method 1, Table E-2 (formerly K-2) (2 & 3 conductors) or Method 4 (4 or more conductors).
3. ASSEMBLY: The insulated conductors are cabled with a single UL, uninsulated ground wire and fillers to make round.
4. INNER JACKET: Black, sunlight resistant polyvinyl chloride (PVC) applied per ICEA. Jacket is low acid gas per CSA C22.2 No. 0.3.
5. ARMOR: An aluminum interlocked armor is applied overall in accordance with UL 1569, ICEA and CSA.
6. OVERALL JACKET: Black, sunlight resistant polyvinyl chloride (PVC) applied overall per ICEA. Jacket is low acid gas per CSA C22.2 No. 0.3.
7. STANDARDS: Cables meet UL, IEEE 383 and FT-4 70,000 BTU flame tests, and are marked "FOR CT USE." Also meets ICEA T-29-520 210,000 BTU flame test. Meets CSA -40°C cold impact and bend. Individual conductors and completed cables are tested in accordance with UL requirements for Type MC cables and CSA requirements for Type TECK cables.
8. AMPACITY: Based on not more than three conductors in raceway or cable or earth and an ambient temperature of 30°C per NEC 310-16. Values have been derated for more than three conductors in accordance with the NEC.
9. TEMPERATURE: 90°C
10. VOLTAGE: UL & CSA 600 Volts

Anixter Number	Cond. Size	No. of Strands	No. of Cond.	Insulation Thickness	Ground Wire Size	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Cond.
	AWG			IN	AWG	IN	IN		
7XD-1402AJ	14	7	2	.030	14	.050	.672	188	25.0
7XD-1403AJ	14	7	3	.030	14	.050	.699	212	25.0
7XD-1404AJ	14	7	4	.030	14	.050	.742	242	20.0
7XD-1405AJ	14	7	5	.030	14	.050	.765	268	20.0
7XD-1407AJ	14	7	7	.030	14	.050	.880	335	17.5
7XD-1409AJ	14	7	9	.030	14	.050	.922	395	17.5
7XD-1412AJ	14	7	12	.030	14	.050	1.047	492	12.5
7XD-1415AJ	14	7	15	.030	14	.050	1.065	535	12.5
7XD-1419AJ	14	7	19	.030	14	.050	1.200	689	12.5
7XD-1425AJ	14	7	25	.030	14	.050	1.365	882	11.3
7XD-1430AJ	14	7	30	.030	14	.050	1.429	992	11.3
7XD-1437AJ	14	7	37	.030	14	.050	1.507	1140	10.0

600V MULTI CONDUCTOR

Continued

Aluminum Armor
 XLP Insulation
 Inner and Outer PVC Jackets
 90°C, UL & CSA 600V

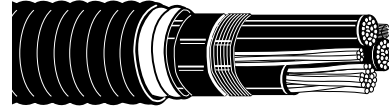
Anixter Number	Cond. Size	No. of Strands	No. of Cond.	Insulation Thickness	Ground Wire Size	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Cond.
	AWG			IN	AWG	IN	IN		
7XE-1202AJ	12	7	2	.030	12	.050	.711	223	30.0
7XE-1203AJ	12	7	3	.030	12	.050	.751	260	30.0
7XE-1204AJ	12	7	4	.030	12	.050	.805	300	24.0
7XE-1205AJ	12	7	5	.030	12	.050	.822	333	24.0
7XE-1207AJ	12	7	7	.030	12	.050	.988	449	21.0
7XE-1209AJ	12	7	9	.030	12	.050	.993	501	21.0
7XE-1212AJ	12	7	12	.030	12	.050	1.160	676	15.0
7XE-1215AJ	12	7	15	.030	12	.050	1.189	739	15.0
7XE-1219AJ	12	7	19	.030	12	.050	1.350	945	15.0
7XE-1225AJ	12	7	25	.030	12	.050	1.501	1152	13.5
7XE-1230AJ	12	7	30	.030	12	.050	1.578	1307	13.5
7XE-1237AJ	12	7	37	.030	12	.050	1.602	1522	12.0
7XF-1002AJ	10	7	2	.030	10	.050	.759	275	40.0
7XF-1003AJ	10	7	3	.030	10	.050	.818	330	40.0
7XF-1004AJ	10	7	4	.030	10	.050	.878	385	32.0
7XF-1005AJ	10	7	5	.030	10	.050	.918	452	32.0
7XF-1007AJ	10	7	7	.030	10	.050	1.082	623	28.0
7XF-1009AJ	10	7	9	.030	10	.050	1.109	657	28.0
7XF-1012AJ	10	7	12	.030	10	.050	1.352	935	20.0

600V THREE CONDUCTOR

Aluminum Armor
XLP Insulation
Inner and Outer PVC Jackets
UL 600V, CSA 1kV

APPLICATIONS:

For use in power circuits in industrial plants, commercial buildings, and central and sub-station utility applications. May be installed in trays, racks, hangers, etc., eliminating the need for conduit. Suitable for indoor and outdoor installation.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, annealed copper per ASTM B-3, B-8.
2. INSULATION: Cross-linked polyethylene (XLP) per ICEA S-66-524, Type RHH/RHW-2 requirements of UL and RW90 requirements of CSA. Color coding is Method 1, Table K-2.
3. ASSEMBLY: The insulated conductors are cabled with a single UL, uninsulated ground wire and fillers to make round.
4. INNER JACKET: Black, sunlight resistant polyvinyl chloride (PVC) applied per ICEA. Jacket is low acid gas per CSA C22.2 No. 0.3.
5. ARMOR: An aluminum interlocked armor is applied overall in accordance with UL 1569, ICEA and CSA.
6. OVERALL JACKET: Black, sunlight resistant polyvinyl chloride (PVC) applied overall per ICEA. Jacket is low acid gas per CSA C22.2 No. 0.3.
7. STANDARDS: Cables meet UL, IEEE 383 and FT-4 70,000 BTU flame tests, and are marked "FOR CT USE." Also meets ICEA T-29-520 210,000 BTU flame test. Meets CSA -40°C cold impact and bend. Individual conductors and completed cables are tested in accordance with UL requirements for Type MC cables and CSA requirements for Type TECK cables.
8. AMPACITY: Based on not more than three conductors in raceway or cable or earth based on an ambient temperature of 30°C per NEC 310-16.
9. TEMPERATURE: 90°C
10. VOLTAGE: UL 600V, CSA 1kV

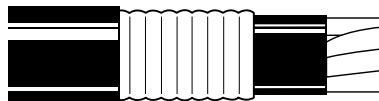
Anixter Number	Cond. Size	No. of Strands	No. of Cond.	Insulation Thickness	Ground Wire Size	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.	Amps Per Cond.
	AWG/kcmil			IN	AWG	IN	IN		
7XK-0803AJ	8	7	3	.060	10	.050	0.937	450	55
7XK-0603AJ	6	7	3	.060	8	.050	1.082	850	75
7XK-0403AJ	4	7	3	.060	8	.050	1.240	927	95
7XK-0203AJ	2	7	3	.060	6	.050	1.360	1256	130
7XK-1013AJ	1/0	19	3	.080	6	.050	1.603	1768	170
7XK-2023AJ	2/0	19	3	.080	6	.050	1.708	2130	195
7XK-4043AJ	4/0	19	3	.080	4	.060	1.957	3181	260
7XK-2503AJ	250	37	3	.095	4	.060	2.162	3796	290
7XK-3503AJ	350	37	3	.095	3	.060	2.370	4935	350
7XK-5003AJ	500	37	3	.095	2	.060	2.665	6668	430
7XK-7503AJ	750	61	3	.110	1	.075	3.038	9387	535

300V INSTRUMENTATION

**Aluminum Armor
PVC Insulation
105°C, 300 Volts**

APPLICATIONS:

For use as instrumentation cable in areas where resistance to chemicals and flame is critical. May be used in wet or dry locations installed in open tray, trough or directly buried. May be installed in accordance with NEC Art. 725.



SPECIFICATIONS:

1. CONDUCTOR: Bare, annealed copper per ASTM B-3. Class B stranded per ASTM B-8.
2. INSULATION: Polyvinyl chloride (PVC).
3. COLOR CODE: ICEA Method 1. Pairs: Black and white. Triads: Black, white and red.
4. PAIR/TRIAD SHIELD: Aluminum/polyester tape with tinned copper drain wire.
5. ASSEMBLY: Components are cabled with an orange polyvinyl chloride (PVC) insulated communication wire, compatible fillers and an overall binder tape.
6. OVERALL SHIELD: Aluminum/polyester tape with tinned copper drain wire.
7. INNER JACKET: Polyvinyl chloride (PVC) with rip cord.
8. ARMOR: Impervious, seam welded, corrugated aluminum that is pressure tested after application.
9. OVERALL JACKET: Polyvinyl chloride (PVC).
10. STANDARDS: Meets UL 13 requirements for Type PLTC instrumentation wire. Meets the requirements of the IEEE 383 and UL 13 70,000 BTU flame tests.
11. TEMPERATURE: 105°C
12. VOLTAGE: 300 Volts

Anixter Number*	Conductor Size AWG	Number of		Insulation Thickness IN	Nominal Diameter Over		Approx. Weight Lbs. 1000 Ft.
		Pairs	Triads		Armor	Jacket	
					IN	IN	
7I-1601POS	16	1		.015	.636	.746	235
7I-1601TOS	16		1	.015	.636	.746	245
7I-1602SPOS	16	2		.015	.661	.771	280
7I-1604SPOS	16	4		.015	.731	.841	345
7I-1608SPOS	16	8		.015	.770	.880	415
7I-1612SPOS	16	12		.015	.958	1.090	585
7I-1624SPOS	16	24		.015	1.314	1.468	1095

*NOTE: POS = Pair with overall shield
TOS = Triad with overall shield
SPOS = Shielded pairs with overall shield

600V MULTI CONDUCTOR

**Aluminum Armor
XLP Insulation**

APPLICATIONS:

Control and lighting circuits in manufacturing and processing plants, feeders in industrial and commercial distribution systems. May be directly buried or installed in cable tray or raceway.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, annealed copper per ASTM B-3, B-8.
2. INSULATION: Cross-linked polyethylene (XLP) meeting the requirements of ICEA S-66-524 and Type XHHW requirements of UL. Color coding is Method 1, Table K-2 in accordance with the NEC.
3. ASSEMBLY: The insulated conductors and a single, uninsulated UL ground wire (when specified) are cabled with fillers to make round.
4. ARMOR: An impervious, corrugated continuous seam-welded aluminum alloy sheath in accordance with UL 1569. Armor is pressure tested and meets the grounding requirements of NEC Article 250.
5. OVERALL JACKET: Black, sunlight resistant polyvinyl chloride (PVC).
6. STANDARDS: Cables meet the UL and IEEE 383 70,000 BTU flame tests and are marked "FOR CT USE." In addition they meet the CSA FT4 flame test. Individual conductors and completed cables are tested in accordance with UL requirements for Type MC cables.
7. AMPACITY: Based on not more than three conductors in raceway or cable or earth based on an ambient temperature of 30°C per NEC 310-16. Values have been derated for more than three conductors in accordance with the NEC.
8. TEMPERATURE: 90°C
9. VOLTAGE: 600 Volts

Anixter Number	Cond. Size AWG	No. of Strands	No. of Cond.	Ground Wire Size AWG	Insul. Thick. IN	Overall Jacket Thick. IN	Nominal Diameter Over		Approx. Wt. Lbs. 1000 Ft.	Amps Per Cond.
							Armor	Jacket		
							IN	IN		
7RA-1402	14	7	2	—	.030	.050	.68	.79	150	25†
7RA-1403	14	7	3	—	.030	.050	.68	.79	170	25†
7RA-1404	14	7	4	—	.030	.050	.68	.79	200	20.0
7RA-1405	14	7	5	—	.030	.050	.68	.79	230	20.0
7RA-1407	14	7	7	—	.030	.050	.69	.80	270	17.5
7RA-1409	14	7	9	—	.030	.050	.71	.82	330	17.5
7RA-1412	14	7	12	—	.030	.050	.78	.89	400	12.5
7RA-1415	14	7	15	—	.030	.050	.89	1.00	480	12.5
7RA-1419	14	7	19	—	.030	.050	.94	1.05	570	12.5
7RA-1424	14	7	24	—	.030	.050	1.11	1.22	740	11.3
7RA-1430	14	7	30	—	.030	.050	1.18	1.30	870	11.3
7RA-1437	14	7	37	—	.030	.050	1.28	1.40	1000	10.0

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

600V MULTI CONDUCTOR

Continued

Aluminum Armor
XLP Insulation

Anixter Number	Cond. Size	No. of Strands	No. of Cond.	Ground Wire Size	Insul. Thick.	Overall Jacket Thick.	Nominal Diameter Over		Approx. Wt. Lbs. 1000 Ft.	Amps Per Cond.
	AWG			AWG	IN	IN	Armor	Jacket		
					IN	IN	IN	IN		
7RA-1202	12	7	2	—	.030	.050	.68	.79	180	30†
7RA-1203	12	7	3	12	.030	.050	.68	.79	220	30†
7RA-1204	12	7	4	12	.030	.050	.68	.79	250	24.0
7RA-1205	12	7	5	—	.030	.050	.70	.81	290	24.0
7RA-1207	12	7	7	—	.030	.050	.70	.81	340	21.0
7RA-1209	12	7	9	—	.030	.050	.78	.89	420	21.0
7RA-1212	12	7	12	—	.030	.050	.89	1.00	540	15.0
7RA-1215	12	7	15	—	.030	.050	1.00	1.11	640	15.0
7RA-1219	12	7	19	—	.030	.050	1.06	1.17	770	15.0
7RA-1224	12	7	24	—	.030	.050	1.26	1.37	970	13.5
7RA-1230	12	7	30	—	.030	.050	1.35	1.46	1200	13.5
7RA-1237	12	7	37	—	.030	.050	1.47	1.58	1400	12.0
7RA-1002	10	7	2	—	.030	.050	.68	.79	210	40†
7RA-1003	10	7	3	10	.030	.050	.68	.79	260	40†
7RA-1004	10	7	4	10	.030	.050	.71	.82	340	32.0
7RA-1005	10	7	5	—	.030	.050	.76	.87	370	32.0
7RA-1007	10	7	7	—	.030	.050	.76	.87	450	28.0
7RA-1009	10	7	9	—	.030	.050	.90	1.01	590	28.0
7RA-1012	10	7	12	—	.030	.050	1.02	1.13	710	20.0
7RA-1015	10	7	15	—	.030	.050	1.15	1.26	910	20.0
7RA-1019	10	7	19	—	.030	.050	1.21	1.33	1100	20.0
7RA-1024	10	7	24	—	.030	.050	1.45	1.57	1350	18.0
7RA-1030	10	7	30	—	.030	.050	1.55	1.68	1650	18.0
7RA-1037	10	7	37	—	.030	.050	1.67	1.81	2000	16.0

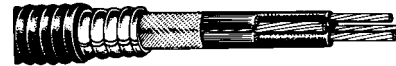
† Unless otherwise specifically permitted in the NEC, the overcurrent protection shall not exceed 15A for 14 AWG, 10A for 12 AWG and 30A for 10 AWG copper.

600V THREE CONDUCTOR

**Aluminum Armor
XLP Insulation**

APPLICATIONS:

Primary power and lighting circuits in manufacturing and processing plants, feeders in industrial and commercial distribution systems. May be directly buried or installed in cable tray or raceway.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, annealed copper per ASTM B-3, B-8.
2. INSULATION: Cross-linked polyethylene (XLP) meeting the requirements of ICEA S-66-524 and Type XHHW requirements of UL. Conductors are identified by number coding “1”, “2”, and “3” on the surface of the insulation.
3. ASSEMBLY: The insulated conductors and a single UL ground wire are cabled with fillers to make round.
4. ARMOR: An impervious, corrugated continuous seam-welded aluminum alloy sheath in accordance with UL 1569. Armor is pressure tested and meets the grounding requirements of NEC Article 250.
5. OVERALL JACKET: Black, sunlight resistant polyvinyl chloride (PVC).
6. STANDARDS: Cables meet the UL and IEEE 383 70,000 BTU flame tests and are marked “FOR CT USE.” In addition they meet the CSA FT4 flame test. Individual conductors and completed cables are tested in accordance with UL requirements for Type MC cables.
7. AMPACITY: Based on not more than three conductors in raceway or cable or earth based on an ambient temperature of 30°C per NEC 310-16.
8. TEMPERATURE: 90°C
9. VOLTAGE: 600 Volts

Anixter Number	Cond. Size	No. of Strands	Ground Wire Size	Insul. Thick.	Overall Jacket Thick.	Nominal Diameter Over		Approx Wt. Lbs. 1000 Ft.	Amps Per Cond.
						Armor	Jacket		
	AWG/kcmil		AWG	IN	IN	IN	IN		
7R-0803	8	7	10	.045	.050	.74	.85	420	55
7R-0603	6	7	8	.045	.050	.83	.94	560	75
7R-0403	4	7	8	.045	.050	.96	1.08	740	95
7R-0203	2	7	8	.045	.050	1.12	1.24	1110	130
7R-0103	1	19	6	.055	.050	1.28	1.40	1320	150
7R-1013	1/0	19	6	.055	.050	1.41	1.52	1600	170
7R-2023	2/0	19	6	.055	.050	1.53	1.67	1950	195
7R-3033	3/0	19	4	.055	.060	1.66	1.80	2400	225
7R-4043	4/0	19	4	.055	.060	1.79	1.93	2900	260
7R-2503	250	37	4	.065	.060	1.97	2.11	3450	290
7R-3503	350	37	3	.065	.060	2.25	2.39	4550	350
7R-5003	500	37	2	.065	.075	2.62	2.80	6400	430
7R-7503	750	61	1	.080	.075	3.17	3.38	9400	535

NOTE: Diameters and weights may vary between manufacturers.

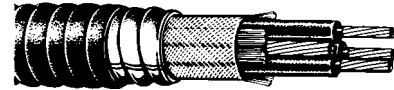
NOTE: [Oversize groundwire availability for paralleling application.](#) [Special rules apply when paralleling these cables.](#)
[Contact Anixter for application assistance.](#)

5kV THREE CONDUCTOR NON-SHIELDED

**Aluminum Armor
EPR Insulation
100% & 133% Insulation Level**

APPLICATIONS:

Primary power and lighting circuits in manufacturing and processing plants, feeders in industrial and commercial distribution systems, power supply to station auxiliaries in electric power stations and substations. May be used in wet or dry locations installed in open tray, trough or ladder.



SPECIFICATIONS:

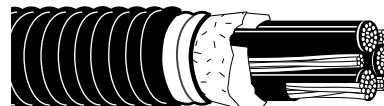
1. CONDUCTOR: Class B stranded, bare, annealed copper per ASTM B-3, B-8. Strand shield is an extruded semiconducting material.
2. INSULATION: Ethylene propylene rubber (EPR) per ICEA S-68-516. The insulated phase conductors are printed with the numerals "1", "2" and "3."
3. ASSEMBLY: The three phase conductors are cabled with a UL, Class B stranded, uninsulated ground wire and fillers to make round. A cable tape is applied overall.
4. ARMOR: An impervious, corrugated continuous seam-welded aluminum alloy sheath in accordance with UL 1569. Armor is pressure tested and meets the grounding requirements of NEC Article 250.
5. OVERALL JACKET: Yellow, sunlight resistant polyvinyl chloride (PVC).
6. STANDARDS: Cable shall be tested in accordance with UL requirements for Type MV-105, Type MC and ICEA S-68-516. Cables meet the UL and IEEE 383 70,000 BTU flame tests and are marked "FOR CT USE." In addition they meet the CSA FT4 flame test.
7. AMPACITY: Based on a three conductor cable isolated in air with a conductor temperature of 90°C and an ambient temperature of 40°C per NEC 310-71.
8. TEMPERATURE: 90°C
9. VOLTAGE: 5kV

Anixter Number	Cond. Size	No. of Strands	Ground Wire Size	Insul. Thick.	Overall Jacket Thick.	Nominal Diameter Over		Approx Wt. Lbs. 1000 Ft.	Amps Per Cond.
	AWG/ kcmil		AWG			Armor	Jacket		
						IN	IN		
7S-0403	4	7	6	.090	.050	1.27	1.38	970	105
7S-0203	2	7	6	.090	.060	1.43	1.55	1300	140
7S-0103	1	19	4	.090	.060	1.52	1.66	1600	160
7S-1013	1/0	19	4	.090	.060	1.63	1.76	1850	185
7S-2023	2/0	19	4	.090	.060	1.72	1.85	2200	215
7S-3033	3/0	19	3	.090	.060	1.84	1.97	2700	250
7S-4043	4/0	19	3	.090	.060	1.97	2.11	3200	285
7S-2503	250	37	3	.090	.060	2.13	2.27	3700	320
7S-3503	350	37	2	.090	.075	2.39	2.56	4900	395
7S-5003	500	37	1	.090	.075	2.75	2.92	6600	485

NOTE: Shielded available upon request.

600 VOLT UL AC DRIVE CABLES

**AC Drive Cables (PHILSHEATH®)
Impervious Continuous Corrugated Aluminum Armor
XLP Insulation**



APPLICATIONS:

Primary power for all types of AC Motor Drives, especially between PWM inverters and AC motors. Cable may be used in all types of industrial and processing facilities. This cable also can be used for many other power applications in most environments.

SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, annealed copper per ASTM B-3, B-8.
2. INSULATION: Crosslinked Polyethylene (XLP), Type XHHW-2. Conductors are identified by number coding "1", "2", and "3" on the surface insulation.
3. ASSEMBLY: The insulated conductors and ground wire(s) are cabled with fillers to make round.
4. ARMOR: An impervious, corrugated continuous seam-welded aluminum alloy sheath in accordance with UL 1569. Armor is pressure tested and meets the grounding requirements of NEC Article 250.
5. OVERALL JACKET: Black, sunlight resistant polyvinyl chloride (PVC).
6. STANDARDS: Cables meet UL and IEEE 383 70,000 BTU Flame Tests and are marked "FOR CT USE". Individual conductors and completed cables are tested in accordance with UL requirements for Type MC Cables. Cables also are approved for Class I and II, Division 1 and 2 (HL) Hazardous Locations.
7. AMPACITY: Based on not more than three conductors in raceway or cable or earth and an ambient temperature of 30° C per NEC 310-16.
8. TEMPERATURE: 90°C
9. VOLTAGE: 600 UL

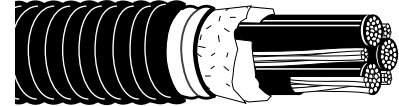
Anixter Number	Cond. Size AWG/ kcmil	No. of Strands	Ground Wire Size AWG	Insul. Thick. IN	Armor Thick. IN	Overall Jacket Thick. IN	Nominal Diameter Over		Approx Wt. Lbs. 1000 Ft.	Amps Per Cond.
							Armor	Jacket		
							IN	IN		
7RA-1403	14	7	1#14*	.030	.027	.050	0.68	0.79	259	25**
7RA-1203	12	7	1#12*	.030	.027	.050	0.68	0.79	276	30**
7RA-1003	10	7	1#12*	.030	.027	.050	0.71	0.82	368	40**
7R-0803-3G	8	7	3#14	.045	.027	.050	0.74	0.85	428	55
7R-0603-3G	6	7	3#12	.045	.027	.050	0.85	0.96	610	75
7R-0403-3G	4	7	3#12	.045	.027	.050	0.97	1.09	814	95
7R-0203-3G	2	7	3#10	.045	.031	.050	1.14	1.26	1157	130
7R-1013-3G	1/0	19	3#10	.055	.035	.050	1.42	1.54	1709	170
7R-2023-3G	2/0	19	3#10	.055	.035	.050	1.55	1.69	2014	195
7R-4043-3G	4/0	19	3#8	.055	.039	.060	1.82	1.96	2954	260
7R-2503-3G	250	37	3#8	.065	.043	.060	1.99	2.14	3395	290
7R-3503-3G	350	37	3#6	.065	.047	.060	2.31	2.46	4916	350
7R-5003-3G	500	37	3#6	.065	.051	.075	2.66	2.84	6461	430

* 14, 12 & 10 AWG have 1 grounding conductor to facilitate termination, 3 grounding conductor constructions are also stocked, use "-3G" suffix.

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

2000 VOLT ICEA AC DRIVE CABLES***

**AC Drive Cables (PHILSHEATH®)
Impervious Continuous Corrugated Aluminum Armor
XLP Insulation**



APPLICATIONS:

Primary power for all types of AC Motor Drives, especially between PWM inverters and AC motors. Cable may be used in all types of industrial and processing facilities. This cable also can be used for many other power applications in most environments.

SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, annealed copper per ASTM B-3, B-8.
2. INSULATION: Crosslinked Polyethylene (XLP), ICEA 2000V insulation levels. Also meets CSA RW90 in 6 AWG and larger. Conductors are identified by number coding "1", "2", and "3" on the surface insulation.
3. ASSEMBLY: The insulated conductors and ground wire(s) are cabled with fillers to make round.
4. ARMOR: An impervious, corrugated continuous seam-welded aluminum alloy sheath in accordance with UL 1569. Armor is pressure tested and meets the grounding requirements of NEC Article 250.
5. OVERALL JACKET: Black, sunlight resistant polyvinyl chloride (PVC).
6. STANDARDS: Cables meet UL and IEEE 383 70,000 BTU flame tests and are marked "FOR CT USE". Individual conductors and completed cables are tested in accordance with UL requirements for Type MC Cables.
7. AMPACITY: Based on not more than three conductors in raceway or cable or earth and an ambient temperature of 30° C per NEC 310-16.
8. TEMPERATURE: 90°C
9. VOLTAGE: 2000V ICEA

Anixter Number	Cond. Size AWG/ kcmil	No. of Strands	Ground Wire Size AWG	Insul. Thick. IN	Armor Thick. IN	Overall Jacket Thick. IN	Nominal Diameter Over		Approx Wt. Lbs. 1000 Ft.	Amps Per Cond.
							Armor	Jacket		
							IN	IN		
7V-1403	14	7	1#14*	.045	.027	.050	0.68	0.79	260	25**
7V-1203	12	7	1#12*	.045	.027	.050	0.68	0.79	279	30**
7V-1003	10	7	1#10*	.045	.027	.050	0.73	0.84	371	40**
7V-0803-3G	8	7	3#14	.055	.027	.050	0.76	0.87	431	55
7V-0603-3G	6	7	3#12	.060	.027	.050	0.94	1.05	633	75
7V-0403-3G	4	7	3#12	.060	.027	.050	1.07	1.18	826	95
7V-0203-3G	2	7	3#10	.060	.031	.050	1.24	1.35	1239	130
7V-1013-3G	1/0	19	3#10	.080	.035	.050	1.59	1.70	1936	170
7V-2023-3G	2/0	19	3#6	.080	.035	.050	1.69	1.81	2289	195
7V-4043-3G	4/0	19	3#4	.080	.039	.060	1.94	2.08	3379	260
7V-2503-3G	250	37	3#4	.090	.043	.060	2.12	2.26	3906	290
7V-3503-3G	350	37	3#2	.090	.047	.060	2.44	2.58	5365	350
7V-5003-3G	500	37	3#1	.090	.051	.075	2.79	2.96	7249	430

* 14, 12 & 10 AWG have 1 grounding conductor to facilitate termination, 3 grounding conductor constructions are also stocked, use "-3G" suffix.

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

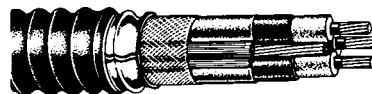
***2000V UL for flexible AC Drive cable applications are also available on special order.

15kV THREE CONDUCTOR 133% INSULATION LEVEL

**Aluminum Armor
Shielded
EPR Insulation**

APPLICATIONS:

Primary power and lighting circuits in manufacturing and processing plants, feeders in industrial and commercial distribution systems, power supply to station auxiliaries in electric power stations and substations. May be used in wet or dry locations installed in open tray, trough or ladder.



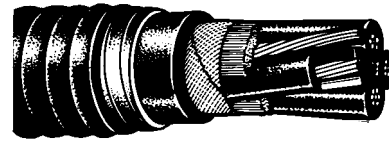
SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, annealed copper per ASTM B-3, B-8. Strand shield is an extruded semiconducting material.
2. INSULATION: Ethylene propylene rubber (EPR) per ICEA S-68-516.
3. SHIELD: An extruded semiconducting insulation shield is applied per ICEA S-68-516. An uncoated copper tape is helically applied overall per ICEA S-68-516. A colored tape (1/C black, 1/C red, 1/C blue) is applied under the tape shield for identification.
4. ASSEMBLY: The three phase conductors are cabled with a UL, Class B stranded ground wire and fillers to make round. A cable tape is applied overall.
5. ARMOR: An impervious, corrugated continuous seam-welded aluminum alloy sheath in accordance with UL 1569. Armor is pressure tested and meets the grounding requirements of NEC Article 250.
6. OVERALL JACKET: Red, sunlight resistant polyvinyl chloride (PVC).
7. STANDARDS: Cable shall be tested in accordance with UL requirements for Type MV-105, Type MC and ICEA S-68-516. Cables meet the UL and IEEE 70,000 BTU flame tests and are marked "FOR CT USE." In addition they meet the CSA FT4 flame test.
8. AMPACITY: Based on a three conductor cable isolated in air with a conductor temperature of 90°C and an ambient temperature of 40°C per NEC 310-71.
9. TEMPERATURE: 90°C
10. VOLTAGE: 15kV

Anixter Number	Cond. Size AWG/ kcmil	No. of Strands	Ground Wire Size AWG	Insul. Thick. IN	Overall Jacket Thick. IN	Nominal Diameter Over		Approx. Wt. Lbs. 1000 Ft.	Amps Per Cond.	Terminations Anixter Number
						Armor IN	Jacket IN			
7Y-0203	2	7	6	.220	.075	2.34	2.51	2600	165	034004
7Y-0103	1	19	4	.220	.075	2.41	2.58	2713	185	034004
7Y-1013	1/0	19	4	.220	.075	2.53	2.70	3096	215	034004
7Y-2023	2/0	19	4	.220	.075	2.66	2.84	3482	245	037023
7Y-3033	3/0	19	3	.220	.075	2.79	2.96	3921	285	037023
7Y-4043	4/0	19	3	.220	.075	2.94	3.12	4487	325	037023
7Y-2503	250	37	3	.220	.085	3.11	3.31	4976	360	037023
7Y-3503	350	37	2	.220	.085	3.32	3.52	6431	435	057312
7Y-5003	500	37	1	.220	.085	3.58	3.78	8100	535	057312

600V – 14 AWG MULTI CONDUCTOR

**Galv. Steel or Aluminum Armor
XLP Insulation
Inner and Outer PVC Jackets, Interlock Armor**



APPLICATIONS:

For exposed or concealed wiring in wet or dry locations. For use in ventilated non-ventilated and ladder type cable troughs and ventilated flexible cableway in wet or dry locations. For direct earth burial.

Typical applications are for power, lighting and control circuits in: Pulp and Paper Mills, Steel Mills, Food Processing Plants, Commercial Centers, Mines, Generating Stations, Refineries, Industrial Plants and Chemical Plants.

SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, soft copper.
2. INSULATION: Cross-linked polyethylene (XLP) as approved by CSA on Types RW90, -40°C per CSA C22.2, No. 131. Color code: 2/C black, white; 3/C red, black, blue; 4/C red, black, blue, white; more than 4/C numbered.
3. GROUNDING CONDUCTOR: 14 AWG uninsulated Class B stranded grounding conductor is included in the cable assembly.
4. ASSEMBLY: Multiple conductor cables are assembled with suitable fillers and binder tape.
5. INNER JACKET: Polyvinyl chloride (PVC) heat, flame and moisture resistant jacket, suitable for installation in temperatures down to -40°C.
6. ARMOR: Aluminum or galvanized steel interlocking armor.
7. OVERALL JACKET: Polyvinyl chloride (PVC) heat, flame and moisture resistant jacket suitable for installation in temperatures down to -40°C. The standard color is black but colored jackets will be provided on request. Meets Flame test in accordance with Ontario Hydro Spec. L-891 SM-77. Meets flame test in IEEE 383 or better.
8. AMPACITY: Based on not more than three conductors in raceway or cable at an ambient temperature of 30°C per Table 2, Column 4 of the Canadian Electrical Code. These ampacities are also based on a minimum one cable O.D. spacing between adjacent cables. (For a four conductor cable the fourth conductor is considered to be the neutral of a three phase, 4 wire system.)
9. TEMPERATURE: -40°C to 90°C
10. VOLTAGE: 600 Volts

Anixter Number*	No. of Cond.	Approx. Diameters			Approximate Weight Lbs./1000 Ft.				Amps Per Cond.
		Inner Jacket	Armor	Outer Jacket	Aluminum Armor		Steel Armor		
					Unjacketed	Jacketed	Unjacketed	Jacketed	
IN	IN	IN							
7TD-1402	2	.372	.575	0.680	140	205	255	320	15
7TD-1403	3	.394	.595	0.700	160	225	280	345	15
7TD-1404	4	.442	.645	0.750	188	260	320	390	15
7TD-1405	5	.480	.680	0.790	215	290	355	430	12
7TD-1406	6	.520	.720	0.830	240	320	390	470	12
7TD-1407	7	.535	.735	0.840	260	340	410	490	10
7TD-1408	8	.605	.805	0.915	310	395	480	570	10
7TD-1409	9	.640	.840	0.945	335	425	520	610	10
7TD-1410	10	.680	.880	0.985	365	460	560	560	10

* NOTE: After Catalog number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TD-1407AJ).

600V – 14 AWG MULTI CONDUCTOR

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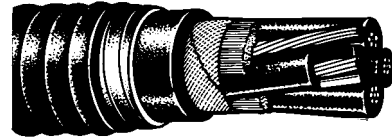
Galv. Steel or Aluminum Armor
 XLP Insulation
 Inner and Outer PVC jackets, Interlock Armor

Anixter Number*	No. of Cond.	Approx. Diameters			Approximate Weight Lbs./1000 Ft.				Amps Per Cond.
		Inner Jacket	Armor	Outer Jacket	Aluminum Armor		Steel Armor		
					Unjacketed	Jacketed	Unjacketed	Jacketed	
		IN	IN	IN					
7TD-1411	11	0.690	0.890	0.995	380	475	570	670	10
7TD-1412	12	0.715	0.915	1.02	400	495	590	690	10
7TD-1413	13	0.725	0.925	1.03	420	520	620	710	10
7TD-1414	14	0.760	0.960	1.07	485	590	760	860	10
7TD-1415	15	0.765	0.965	1.08	510	610	780	890	10
7TD-1416	16	0.790	0.990	1.10	530	630	810	920	10
7TD-1417	17	0.810	1.010	1.12	550	660	840	950	10
7TD-1418	18	0.830	1.030	1.14	580	690	870	980	10
7TD-1419	19	0.840	1.040	1.15	600	710	900	1020	10
7TD-1420	20	0.855	1.060	1.16	620	730	920	1040	10
7TD-1425	25	1.000	1.200	1.31	780	900	1140	1260	9
7TD-1430	30	1.080	1.280	1.39	890	1040	1280	1400	9
7TD-1440	40	1.200	1.400	1.51	1100	1260	1520	1660	9
7TD-1450	50	1.310	1.510	1.62	1300	1460	1760	1920	7
7TD-1460	60	1.430	1.630	1.76	1520	1720	2000	2200	7
7TD-1470	70	1.510	1.760	1.89	1760	1980	2400	2600	7
7TD-1480	80	1.600	1.850	1.98	1980	2200	2650	2850	7
7TD-1490	90	1.690	1.910	2.04	2200	2450	2850	3100	7
7TD-14100	100	1.830	2.080	2.22	2800	3550	3350	3650	7

* NOTE: After Catalog number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TD-1419AJ).

600V – 12 AWG MULTI CONDUCTOR

**Galv. Steel or Aluminum Armor
XLP Insulation
Inner and Outer PVC Jackets, Interlock Armor**



APPLICATIONS:

For exposed or concealed wiring in wet or dry locations. For use in ventilated non-ventilated and ladder type cable troughs and ventilated flexible cableway in wet or dry locations. For direct earth burial.

Typical applications are for power, lighting and control circuits in: Pulp and Paper Mills, Steel Mills, Food Processing Plants, Commercial Centers, Mines, Generating Stations, Refineries, Industrial Plants and Chemical Plants.

SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, soft copper.
2. INSULATION: Cross-linked polyethylene (XLP) as approved by CSA on Types RW90, –40°C per CSA C22.2, No. 131. Color code: 2/C black, white; 3/C red, black, blue; 4/C red, black, blue, white; more than 4/C numbered.
3. GROUNDING CONDUCTOR: 14 AWG uninsulated Class B stranded grounding conductor is included in the cable assembly.
4. ASSEMBLY: Multiple conductor cables are assembled with suitable fillers and binder tape.
5. INNER JACKET: Polyvinyl chloride (PVC) heat, flame and moisture resistant jacket, suitable for installation in temperatures down to –40°C.
6. ARMOR: Aluminum or galvanized steel interlocking armor.
7. OVERALL JACKET: Polyvinyl chloride (PVC) heat, flame and moisture resistant jacket suitable for installation in temperatures down to –40°C. The standard color is black but colored jackets will be provided on request. Meets Flame test in accordance with Ontario Hydro Spec. L-891 SM-77. Meets flame test in IEEE 383 or better.
8. AMPACITY: Based on not more than three conductors in raceway or cable at an ambient temperature of 30°C per Table 2, Column 4 of the Canadian Electrical Code. These ampacities are also based on a minimum one cable O.D. spacing between adjacent cables. (For a four conductor cable the fourth conductor is considered to be the neutral of a three phase, 4 wire system.)
9. TEMPERATURE: –40°C to 90°C
10. VOLTAGE: 600 Volts

Anixter Number*	No. of Cond.	Approx. Diameters			Approximate Weight Lbs./1000 Ft.				Amps Per Cond.
		Inner Jacket	Armor	Outer Jacket	Aluminum Armor		Steel Armor		
					IN	IN	IN	Unjacketed		Jacketed	Unjacketed	Jacketed
7TE-1202	2	.410	.610	.710	165	230	290	355	20
7TE-1203	3	.434	.635	.740	194	265	325	395	20
7TE-1204	4	.480	.680	.790	230	305	370	445	20
7TE-1205	5	.535	.735	.840	265	350	420	500	16
7TE-1206	6	.610	.810	.915	325	415	495	590	16
7TE-1207	7	.620	.820	.925	350	440	530	620	14
7TE-1208	8	.670	.870	.975	390	485	580	670	14
7TE-1209	9	.705	.905	1.02	420	520	610	710	14
7TE-1210	10	.755	.955	1.06	495	600	770	870	14

* NOTE: After Catalog number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TE-1203AJ).

600V – 12 AWG MULTI CONDUCTOR

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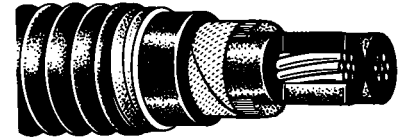
Galv. Steel or Aluminum Armor
 XLP Insulation
 Inner and Outer PVC Jackets, Interlock Armor

Anixter Number*	No. of Cond.	Approx. Diameters			Approximate Weight Lbs./1000 Ft.				Amps Per Cond.
		Inner Jacket	Armor	Outer Jacket	Aluminum Armor		Steel Armor		
		IN	IN	IN	Unjacketed	Jacketed	Unjacketed	Jacketed	
7TE-1211	11	0.765	0.965	1.08	530	630	810	910	14
7TE-1212	12	0.890	0.990	1.10	560	670	850	950	14
7TE-1213	13	0.805	1.01	1.12	590	700	880	990	14
7TE-1214	14	0.840	1.04	1.15	630	740	930	1040	14
7TE-1215	15	0.855	1.06	1.17	660	770	960	1080	14
7TE-1216	16	0.880	1.08	1.19	690	800	1000	1120	14
7TE-1217	17	0.945	1.15	1.25	760	890	1100	1220	14
7TE-1218	18	0.965	1.17	1.28	800	920	1140	1260	14
7TE-1219	19	0.975	1.18	1.29	830	950	1180	1300	14
7TE-1220	20	0.995	1.20	1.30	860	980	1220	1340	14
7TE-1225	25	1.130	1.31	1.42	1020	1160	1420	1560	12
7TE-1230	30	1.200	1.40	1.50	1180	1340	1600	1740	12
7TE-1240	40	1.340	1.54	1.65	1480	1660	1940	2100	12
7TE-1250	50	1.470	1.67	1.80	1800	2000	2300	2500	10
7TE-1260	60	1.690	1.85	1.98	2150	2400	2800	3000	10
7TE-1270	70	1.690	1.94	2.08	2450	2700	3100	3350	10
7TE-1280	80	1.850	2.10	2.24	2900	3150	3750	4000	10
7TE-1290	90	1.960	2.22	2.34	3200	3500	4100	4300	10
7TE-12100	100	2.060	2.30	2.46	3500	3850	4400	4750	10

* NOTE: After Catalog number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TE-1219AJ).

600V – 10 AWG MULTI CONDUCTOR

Galv. Steel or Aluminum Armor
 XLP Insulation
 Inner and Outer PVC Jackets, Interlock Armor



APPLICATIONS:

For exposed or concealed wiring in wet or dry locations. For use in ventilated non-ventilated and ladder type cable troughs and ventilated flexible cableway in wet or dry locations. For direct earth burial.

Typical applications are for power, lighting and control circuits in: Pulp and Paper Mills, Steel Mills, Food Processing Plants, Commercial Centers, Mines, Generating Stations, Refineries, Industrial Plants and Chemical Plants.

SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, soft copper.
2. INSULATION: Cross-linked polyethylene (XLP) as approved by CSA on Types RW90, -40°C per CSA C22.2, No. 131. Color code: 2/C black, white; 3/C red, black, blue; 4/C red, black, blue, white; more than 4/C numbered.
3. GROUNDING CONDUCTOR: 14 AWG uninsulated Class B stranded grounding conductor is included in the cable assembly.
4. ASSEMBLY: Multiple conductor cables are assembled with suitable fillers and binder tape.
5. INNER JACKET: Polyvinyl chloride (PVC) heat, flame and moisture resistant jacket, suitable for installation in temperatures down to -40°C.
6. ARMOR: Aluminum or galvanized steel interlocking armor.
7. OVERALL JACKET: Polyvinyl chloride (PVC) heat, flame and moisture resistant jacket suitable for installation in temperatures down to -40°C. The standard color is black but colored jackets will be provided on request. Meets Flame test in accordance with Ontario Hydro Spec. L-891 SM-77. Meets flame test in IEEE 383 or better.
8. AMPACITY: Based on not more than three conductors in raceway or cable at an ambient temperature of 30°C per Table 2, Column 4 of the Canadian Electrical Code. These ampacities are also based on a minimum one cable O.D. spacing between adjacent cables. (For a four conductor cable the fourth conductor is considered to be the neutral of a three phase, 4 wire system.)
9. TEMPERATURE: -40°C to 90°C
10. VOLTAGE: 600 Volts

Anixter Number*	No. of Cond.	Approx. Diameters			Approximate Weight Lbs./1000 Ft.				Amps Per Cond.
		Inner Jacket	Armor	Outer Jacket	Aluminum Armor		Steel Armor		
					IN	IN	IN	Unjacketed		Jacketed	Unjacketed	Jacketed
7TF-1002	2	.458	0.650	0.765	210	280	340	415	30
7TF-1003	3	.486	0.690	0.800	255	330	395	470	30
7TF-1004	4	.550	0.750	0.860	305	390	460	645	24
7TF-1005	5	.630	0.830	0.935	375	465	550	640	24
7TF-1006	6	.680	0.870	0.990	430	525	615	710	24
7TF-1007	7	.695	0.900	1.010	470	570	665	760	21
7TF-1008	8	.755	0.955	1.070	560	660	830	930	21
7TF-1009	9	.795	0.995	1.110	610	715	890	995	21
7TF-1010	10	.850	1.050	1.160	670	775	960	1080	21

* NOTE: After Catalog number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TF-1003AJ).

600V – 10 AWG MULTI CONDUCTOR

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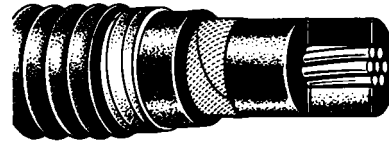
Galv. Steel or Aluminum Armor
 XLP Insulation
 Inner and Outer PVC Jackets, Interlock Armor

Anixter Number*	No. of Cond.	Approx. Diameters			Approximate Weight Lbs./1000 Ft.				Amps Per Cond.
		Inner Jacket	Armor	Outer Jacket	Aluminum Armor		Steel Armor		
					Unjacketed	Jacketed	Unjacketed	Jacketed	
		IN	IN	IN					
7TF-1011	11	0.865	1.07	1.17	710	810	1020	1120	21
7TF-1012	12	0.935	1.14	1.24	800	915	1120	1240	21
7TF-1013	13	0.945	1.15	1.26	840	960	1180	1300	21
7TF-1014	14	0.995	1.20	1.30	890	1020	1240	1360	21
7TF-1015	15	1.020	1.21	1.31	940	1060	1280	1420	21
7TF-1016	16	1.040	1.24	1.34	980	1120	1340	1480	21
7TF-1017	17	1.060	1.26	1.37	1040	1180	1400	1540	21
7TF-1018	18	1.090	1.29	1.40	1080	1220	1460	1600	21
7TF-1019	19	1.100	1.30	1.41	1140	1260	1500	1640	21
7TF-1020	20	1.120	1.32	1.43	1180	1320	1560	1700	21
7TF-1025	25	1.260	1.46	1.57	1420	1560	1840	1980	18
7TF-1030	30	1.360	1.56	1.67	1640	1840	2100	2300	18
7TF-1040	40	1.530	1.78	1.89	2140	2350	2750	3000	18
7TF-1050	50	1.660	1.91	2.04	2560	2800	3250	3500	15

* NOTE: After Catalog number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TF-1019AJ).

1kV SINGLE CONDUCTOR

Aluminum Armor
XLP Insulation
Inner and Outer PVC Jackets



APPLICATIONS:

For exposed or concealed wiring in wet or dry locations. For use in ventilated, non-ventilated

and ladder type cable troughs and ventilated flexible cableway in wet or dry locations. For direct earth burial.

SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, soft copper. For single conductor cables the minimum size is AWG #6.
2. INSULATION: Crosslinked polyethylene (XLP) Type RW-90 per CSA C22.2, No. 131.
3. GROUNDING CONDUCTOR: Composed of individual wires applied helically over the insulation.
4. INNER JACKET: Polyvinyl chloride (PVC).
5. ARMOR: Aluminum interlocking armor (for single conductor cables for use in AC circuits aluminum armor only is provided and non-magnetic [aluminum] connectors and lock nuts are to be used).
6. OUTER JACKET: Polyvinyl chloride (PVC) heat, flame and moisture resistant jacket suitable for installation in temperatures down to -40°C. The standard color is black but colored jackets will be provided on request.
7. STANDARDS: The cable is certified to CSA C22.2 No. 131 and No. 174 for use in CSA Class 1, Division 1, hazardous locations (HL rated) and is flame test rated FT-4.
8. AMPACITY: Based on an ambient temperature of 30°C per Table 1 of the Canadian Electrical Code.
9. TEMPERATURE: -40°C to 90°C
10. VOLTAGE: 1kV

Anixter Number	Conductor Size	Ground Wire Size	Nominal Diameters			Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
			Inner Jacket	Armor	Outer Jacket		
	AWG	AWG	IN	IN	IN		
7TI-0601AJ	6	8	0.47	0.67	0.77	340	100
7TI-0401AJ	4	6	0.52	0.72	0.82	410	135
7TI-0301AJ	3	6	0.55	0.75	0.85	490	155
7TI-0201AJ	2	6	0.58	0.78	0.88	540	180
7TI-0101AJ	1	4	0.68	0.88	0.99	660	210
7TI-1011AJ	1/0	4	0.72	0.92	1.03	750	245
7TI-2021AJ	2/0	4	0.77	0.97	1.08	890	285
7TI-3031AJ	3/0	3	0.82	1.02	1.13	1080	330
7TI-4041AJ	4/0	3	0.88	1.08	1.19	1240	385
7TI-2501AJ	250	2	1.00	1.12	1.31	1450	425
7TI-3001AJ	300	2	1.05	1.25	1.36	1640	480
7TI-3501AJ	350	1	1.10	1.30	1.41	1820	530
7TI-4001AJ	400	1	1.15	1.35	1.46	2010	575
7TI-5001AJ	500	1/0	1.25	1.45	1.58	2370	660
7TI-6001AJ	600	1/0	1.34	1.54	1.66	2840	740
7TI-7501AJ	750	2/0	1.44	1.64	1.77	3380	845
7TI-10001AJ	1000	2/0	1.59	1.84	1.97	4300	1000
7TI-12501AJ	1250	3/0	1.84	2.10	2.24	5600	1130
7TI-15001AJ	1500	4/0	2.02	2.26	2.40	6600	1260
7TI-17501AJ	1750	4/0	2.12	2.38	2.54	7500	1370
7TI-20001AJ	2000	4/0	2.22	2.48	2.64	8400	1470

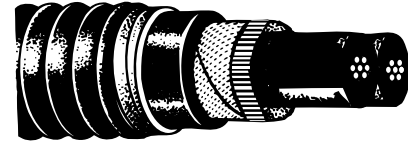
NOTE: Diameters and weights may vary between manufacturers.

1kV TWO CONDUCTOR

**Galv. Steel or Aluminum Armor
XLP Insulation
Inner and Outer PVC Jackets**

APPLICATIONS:

For exposed or concealed wiring in wet or dry locations.
For use in ventilated, non-ventilated and ladder type cable troughs and ventilated flexible cableway in wet or dry locations. For direct earth burial.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, soft copper.
2. INSULATION: Cross-linked polyethylene (XLP) Type RW90 per CSA C22.2, No. 131.
3. COLOR CODING: Surface color coding is standard for sizes up to and including AWG #6. For larger than AWG #2, number coding is standard.
4. GROUNDING CONDUCTOR: An uninsulated Class B stranded grounding conductor is included in the cable assembly.
5. ASSEMBLY: Multiple conductor cables are assembled with suitable fillers and binder tape.
6. INNER JACKET: Polyvinyl chloride (PVC).
7. ARMOR: Aluminum* or galvanized steel* interlocking armor.
8. OUTER JACKET: Polyvinyl chloride (PVC) heat, flame and moisture resistant jacket suitable for installation in temperatures down to -40°C. The standard color is black but colored jackets will be provided on request.
9. STANDARDS: The cable is certified to CSA C22.2 No. 131 and No. 174 for use in CSA Class 1, Division 1 hazardous locations (HL rated) and is flame test rated FT-4.
10. AMPACITY: Based on an ambient temperature of 30°C per the Canadian Electrical Code.
11. TEMPERATURE: -40°C to 90°C
12. VOLTAGE: 1kV

Anixter Number*	Conductor Size AWG/kcmil	Ground Wire Size AWG	Nominal Diameters			Approximate Weight		Amps Per Conductor
			Inner Jacket	Armor	Outer Jacket	Aluminum Armor	Steel Armor	
			IN	IN	IN	Lbs./1000 Ft.	Lbs./1000 Ft.	
7TJ-1402	14	14	0.44	0.64	0.74	230	370	15
7TJ-1202	12	14	0.48	0.68	0.78	260	410	20
7TJ-1002	10	12	0.53	0.73	0.83	340	500	30
7TJ-0802	8	10	0.62	0.82	0.92	420	590	45
7TJ-0602	6	8	0.77	0.97	1.07	600	880	65
7TJ-0402	4	8	0.89	1.09	1.20	790	1100	85
7TJ-0302	3	6	0.95	1.15	1.26	910	1250	105
7TJ-0202	2	6	1.01	1.21	1.32	1040	1400	120
7TJ-0102	1	6	1.16	1.36	1.47	1250	1650	140
7TJ-1012	1/0	6	1.27	1.47	1.59	1490	1930	155
7TJ-2022	2/0	6	1.28	1.50	1.60	2004	2200	185
7TJ-3032	3/0	4	1.38	1.60	1.71	2412	2620	210
7TJ-4042	4/0	4	1.48	1.70	1.82	2786	3007	235
7TJ-2502	250	4	1.62	1.87	1.98	3350	3601	265
7TJ-3002	300	4	1.79	2.04	2.16	3900	4181	295

* After catalog number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TJ-1012AJ).

NOTE: Diameters and weights may vary between manufacturers.

1kV TWO CONDUCTOR

Continued

Galv. Steel or Aluminum Armor
 XLP Insulation
 Inner and Outer PVC Jackets

Anixter Number*	Conductor Size	Ground Wire Size	Nominal Diameters			Approximate Weight		Amps Per Conductor
			Inner Jacket	Armor	Outer Jacket	Aluminum Armor	Steel Armor	
	AWG/kcmil	AWG	IN	IN	IN	Lbs./1000 Ft.	Lbs./1000 Ft.	
7TJ-3502	350	3	1.88	2.13	2.25	4323	4617	325
7TJ-4002	400	3	1.96	2.21	2.33	4725	5037	345
7TJ-5002	500	2	2.13	2.38	2.50	5625	5970	395
7TJ-6002	600	2	2.36	2.61	2.76	6535	6953	455
7TJ-7502	750	2	2.57	2.82	2.97	7725	8177	500
7TJ-10002	1000	1	2.96	3.21	3.36	9664	10181	585

* After catalog number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TJ-3502AJ).

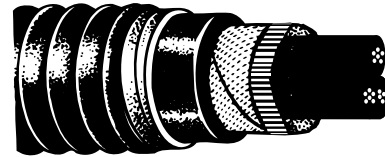
NOTE: Diameters and weights may vary between manufacturers.

1kV THREE CONDUCTOR

**Galv. Steel or Aluminum Armor
XLP Insulation
Inner and Outer PVC Jackets**

APPLICATIONS:

For exposed or concealed wiring in wet or dry locations.
For use in ventilated, non-ventilated and ladder type cable troughs and ventilated flexible cableway in wet or dry locations. For direct earth burial.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, soft copper.
2. INSULATION: Cross-linked polyethylene (XLP) Type RW90 per CSA C22.2, No. 131.
3. COLOR CODING: Surface color coding is standard for sizes up to and including AWG #6. For larger than AWG #2, number coding is standard.
4. GROUNDING CONDUCTOR: An uninsulated Class B stranded grounding conductor is included in the cable assembly.
5. ASSEMBLY: Multiple conductor cables are assembled with suitable fillers and binder tape.
6. INNER JACKET: Polyvinyl chloride (PVC).
7. ARMOR: Aluminum* or galvanized steel* interlocking armor.
8. OUTER JACKET: Polyvinyl chloride (PVC) heat, flame and moisture resistant jacket suitable for installation in temperatures down to -40°C. The standard color is black but colored jackets will be provided on request.
9. STANDARDS: The cable is certified to CSA C22.2 No. 131 and No. 174 for use in CSA Class 1, Division 1 hazardous locations (HL rated) and is flame test rated FT-4.
10. AMPACITY: Based on an ambient temperature of 30°C per the Canadian Electrical Code.
11. TEMPERATURE: -40°C to 90°C
12. VOLTAGE: 1kV

Anixter Number*	Conductor Size AWG/kcmil	Ground Wire Size AWG	Nominal Diameters			Approximate Weight		Amps Per Conductor
			Inner Jacket	Armor	Outer Jacket	Aluminum Armor	Steel Armor	
			IN	IN	IN	Lbs./1000 Ft.	Lbs./1000 Ft.	
7TJ-1403	14	14	0.44	0.64	0.74	230	370	15
7TJ-1203	12	14	0.48	0.68	0.78	260	410	20
7TJ-1003	10	12	0.53	0.73	0.83	340	500	30
7TJ-0803	8	10	0.62	0.82	0.92	420	590	45
7TJ-0603	6	8	0.77	0.97	1.07	600	880	65
7TJ-0403	4	8	0.89	1.09	1.20	790	1100	85
7TJ-0303	3	6	0.95	1.15	1.26	910	1250	105
7TJ-0203	2	6	1.01	1.21	1.32	1040	1400	120
7TJ-0103	1	6	1.16	1.36	1.47	1250	1650	140
7TJ-1013	1/0	6	1.27	1.47	1.59	1490	1930	155
7TJ-2023	2/0	6	1.28	1.50	1.60	2004	2200	185
7TJ-3033	3/0	4	1.38	1.60	1.71	2412	2620	210
7TJ-4043	4/0	4	1.48	1.70	1.82	2786	3007	235
7TJ-2503	250	4	1.62	1.87	1.98	3350	3601	265
7TJ-3003	300	4	1.79	2.04	2.16	3900	4181	295

* After catalog number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TJ-1012AJ).

NOTE: Diameters and weights may vary between manufacturers.

1kV THREE CONDUCTOR

Continued

Galv. Steel or Aluminum Armor
 XLP Insulation
 Inner and Outer PVC Jackets

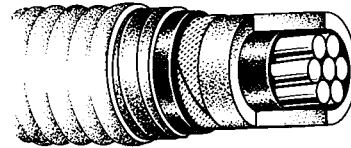
Anixter Number*	Conductor Size	Ground Wire Size	Nominal Diameters			Approximate Weight		Amps Per Conductor
			Inner Jacket	Armor	Outer Jacket	Aluminum Armor	Steel Armor	
	AWG/kcmil	AWG	IN	IN	IN	Lbs./1000 Ft.	Lbs./1000 Ft.	
7TJ-3503	350	3	1.88	2.13	2.25	4323	4617	325
7TJ-4003	400	3	1.96	2.21	2.33	4725	5037	345
7TJ-5003	500	2	2.13	2.38	2.50	5625	5970	395
7TJ-6003	600	2	2.36	2.61	2.76	6535	6953	455
7TJ-7503	750	2	2.57	2.82	2.97	7725	8177	500
7TJ-10003	1000	1	2.96	3.21	3.36	9664	10181	585

* After catalog number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TJ-3502AJ).

NOTE: Diameters and weights may vary between manufacturers.

5kV SINGLE CONDUCTOR NON-SHIELDED

**Aluminum Armor
XLP Insulation
Inner and Outer PVC Jackets
100% or 133% Insulation Level**



APPLICATIONS:

For exposed or concealed wiring in wet or dry locations. For use in ventilated, non-ventilated

and ladder type cable troughs and ventilated flexible cableway in wet or dry locations. For direct earth burial.

SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, soft copper.
2. CONDUCTOR SHIELD: Cables have a semiconducting shield over the conductor.
3. INSULATION: Cross-linked polyethylene (XLP) Type RW-90 per CSA C22.2, No. 131. 90 mils insulation thickness.
4. GROUNDING CONDUCTOR: Composed of individual wires applied helically over the insulation.
5. INNER JACKET: Polyvinyl chloride (PVC).
6. ARMOR: Aluminum interlocking armor (for single conductor cables for use in AC circuits aluminum armor only is provided and non-magnetic [aluminum] connectors and lock nuts are to be used).
7. OUTER JACKET: Polyvinyl chloride (PVC) heat, flame and moisture resistant jacket suitable for installation in temperatures down to -40°C . The standard color is orange but colored jackets will be provided on request.
8. STANDARDS: The cable is certified to CSA C22.2 No. 131 and No. 174 for use in CSA Class 1, Division 1, hazardous locations (HL rated) and is flame test rated FT-4.
9. AMPACITY: Based on an ambient temperature of 30°C per the Canadian Electrical Code.
10. TEMPERATURE: -40°C to 90°C
11. VOLTAGE: 5kV

Anixter Number	Conductor Size AWG/kcmil	Ground Wire Size AWG	Nominal Diameters			Approx. Wt. Lbs. 1000 Ft.	Amps Per Conductor
			Inner Jacket	Armor	Outer Jacket		
			IN	IN	IN		
7TM-0601AJ	6	8	0.54	0.70	0.79	288	100
7TM-0401AJ	4	6	0.62	0.78	0.87	404	135
7TM-0201AJ	2	6	0.67	0.83	0.93	500	180
7TM-0101AJ	1	4	0.73	0.89	0.99	654	210
7TM-1011AJ	1/0	5	0.77	0.99	1.09	783	245
7TM-2021AJ	2/0	4	0.81	1.03	1.12	883	285
7TM-3031AJ	3/0	3	0.86	1.08	1.17	1010	330
7TM-4041AJ	4/0	3	0.94	1.16	1.26	1196	385
7TM-2501AJ	250	2	1.03	1.25	1.35	1459	425
7TM-3001AJ	300	2	1.09	1.31	1.40	1637	480
7TM-3501AJ	350	1	1.13	1.35	1.45	1813	530
7TM-4001AJ	400	1	1.18	1.40	1.49	1969	575
7TM-5001AJ	500	1/0	1.26	1.48	1.58	2391	660
7TM-6001AJ	600	1/0	1.39	1.61	1.73	2799	740
7TM-7501AJ	750	2/0	1.50	1.72	1.83	3385	880
7TM-10001AJ	1000	2/0	1.66	1.91	2.03	4311	1000

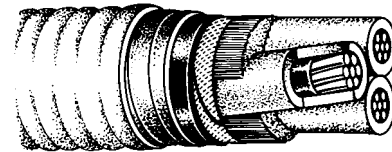
NOTE: Shielded cable available.
Diameters and weights may vary between manufacturers.

5kV THREE CONDUCTOR NON-SHIELDED

**Galv. Steel or Aluminum Armor
Non-Shielded
XLP Insulation
Inner and Outer PVC Jackets
100% or 133% Insulation Level**

APPLICATIONS:

For exposed or concealed wiring in wet or dry locations.
For use in ventilated, non-ventilated and ladder type cable troughs and ventilated flexible cableway in wet or dry locations. For direct earth burial.



SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, soft copper.
2. CONDUCTOR SHIELD: Cables have a semiconducting shield over the conductor.
3. INSULATION: Cross-linked polyethylene (XLP) Type RW90 per CSA C22.2, No. 131. 90 mils insulation thickness.
4. GROUNDING CONDUCTOR: An uninsulated Class B stranded grounding conductor is included in the cable assembly with suitable fillers.
5. INNER JACKET: Polyvinyl chloride (PVC).
6. ARMOR: Aluminum* or galvanized steel* interlocking armor.
7. OUTER JACKET: Polyvinyl chloride (PVC) heat, flame and moisture resistant jacket suitable for installation in temperatures down to -40°C . The standard color is orange but colored jackets will be provided on request.
8. STANDARDS: The cable is certified to CSA C22.2 No. 131 and No. 174 for use in CSA Class 1, Division 1 hazardous locations (HL rated) and is flame test rated FT-4.
9. AMPACITY: Based on an ambient temperature of 30°C per the Canadian Electrical Code.
10. TEMPERATURE: -40°C to 90°C
11. VOLTAGE: 5kV

Anixter Number*	Conductor Size AWG/kcmil	Ground Wire Size AWG	Nominal Diameters			Approximate Weight		Amps Per Conductor
			Inner Jacket	Armor	Outer Jacket	Aluminum Armor	Steel Armor	
			IN	IN	IN	Lbs./1000 Ft.	Lbs./1000 Ft.	
7TN-0803	8	10	0.94	1.14	1.23	730	1080	50
7TN-0603	6	8	1.02	1.22	1.31	890	1240	70
7TN-0403	4	8	1.12	1.32	1.40	1100	1500	90
7TN-0303	3	6	1.17	1.37	1.46	1280	1680	105
7TN-0203	2	6	1.24	1.44	1.52	1440	1740	120
7TN-0103	1	6	1.35	1.55	1.68	1720	2150	140
7TN-1013	1/0	6	1.43	1.63	1.76	1980	2500	155
7TN-2023	2/0	6	1.51	1.76	1.89	2400	3000	185
7TN-3033	3/0	4	1.62	1.87	2.00	2850	3500	210
7TN-4043	4/0	2	1.79	2.04	2.18	3500	4300	235
7TN-2503	250	4	1.90	2.16	2.28	3950	4800	270
7TN-3003	300	4	2.02	2.28	2.40	4500	5400	300

* After catalog number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TN-4043AJ).

NOTE: Diameters and weights may vary between manufacturers.

5kV THREE CONDUCTOR NON-SHIELDED

Continued

**Galv. Steel or Aluminum Armor
Non-Shielded
XLP Insulation
Inner and Outer PVC Jackets
100% or 133% Insulation Level**

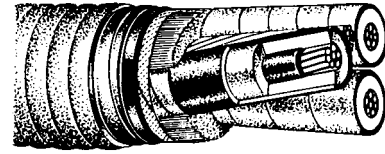
Anixter Number*	Conductor Size	Ground Wire Size	Nominal Diameters			Approximate Weight		Amps Per Conductor
			Inner Jacket	Armor	Outer Jacket	Aluminum Armor	Steel Armor	
	AWG/kcmil	AWG	IN	IN	IN	Lbs./1000 Ft.	Lbs./1000 Ft.	
7TN-3503	350	3	2.12	2.36	2.52	5200	6100	325
7TN-4003	400	3	2.20	2.46	2.62	5800	6700	360
7TN-5003	500	2	2.38	2.62	2.78	6900	7900	405
7TN-6003	600	2	2.56	2.80	2.96	8000	9100	455
7TN-7503	750	2	2.76	3.00	3.18	9600	10800	500
7TN-10003	1000	1	3.14	3.40	3.58	12600	14000	585

* After catalog number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TN-7503AJ).

NOTE: Diameters and weights may vary between manufacturers.

15kV THREE CONDUCTOR 100% INSULATION LEVEL

**Galv. Steel or Aluminum Armor
Shielded
XLP Insulation
Inner and Outer PVC Jackets
100% Insulation Level**


APPLICATIONS:

For exposed or concealed wiring in wet or dry locations. For use in ventilated, non-ventilated and

ladder type cable troughs and ventilated flexible cableway in wet or dry locations. For direct earth burial.

SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, soft copper.
2. CONDUCTOR SHIELD: Cables have a semiconducting shield over the conductor.
3. INSULATION: Cross-linked polyethylene (XLP) Type RW90 per CSA C22.2, No. 131. 175 mils insulation thickness.
4. IDENTIFICATION: The insulated conductors are identified by means of a colored tape (black, red and blue) placed longitudinally immediately under the copper tape shield.
5. INSULATION SHIELD: Consists of a semiconducting thermosetting layer plus an overlaying metallic component. In multiconductor cables the metallic component is a helically applied lapped copper tape.
6. GROUNDING CONDUCTOR: An uninsulated Class B stranded grounding conductor is included in the cable assembly with suitable fillers.
7. INNER JACKET: Polyvinyl chloride (PVC).
8. ARMOR: Aluminum* or galvanized steel* interlocking armor.
9. OUTER JACKET: Polyvinyl chloride (PVC) heat, flame and moisture resistant jacket suitable for installation in temperatures down to -40°C . The standard color is red but colored jackets will be provided on request.
10. STANDARDS: The cable is certified to CSA C22.2 No. 131 and No. 174 for use in CSA Class 1, Division 1 hazardous locations (HL rated) and is flame test rated FT-4.
11. AMPACITY: Based on an ambient temperature of 40°C per IEEE S-135/ICEA P-46-426.
12. TEMPERATURE: -40°C to 90°C
13. VOLTAGE: 15kV

Anixter Number*	Cond. Size	Ground Wire Size	Nominal Diameters			Approximate Weight		Amps Per Cond.	3M Terminations
	AWG/ kcmil		Inner Jacket	Armor	Outer Jacket	Aluminum Armor	Steel Armor		
			AWG	IN	IN	IN	Lbs./1000 Ft.		
7TP-0203	2	6	1.84	2.09	2.19	2400	3250	164	034004
7TP-0103	1	6	1.91	2.16	2.26	2650	3500	187	034004
7TP-1013	1/0	6	2.00	2.26	2.34	3950	3850	215	034004
7TP-2023	2/0	6	2.10	2.34	2.45	3400	4350	246	037023
7TP-3033	3/0	4	2.20	2.46	2.56	3900	4900	283	037023
7TP-4043	4/0	4	2.32	2.56	2.67	4450	5500	325	037023

* After catalog number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TP-2023AJ).

NOTE: Diameters and weights may vary between manufacturers.

15kV THREE CONDUCTOR 100% INSULATON LEVEL

Continued

**Galv. Steel or Aluminum Armor
Shielded
XLP Insulation
Inner and Outer PVC Jackets
100% Insulation Level**

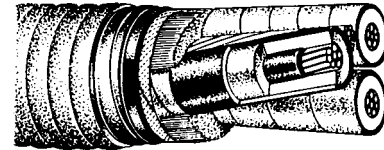
Anixter Number*	Cond. Size	Ground Wire Size	Nominal Diameters			Approximate Weight		Amps Per Cond.	3M Terminations
	AWG/ kcmil		Inner Jacket	Armor	Outer Jacket	Aluminum Armor	Steel Armor		
	AWG		IN	IN	IN	Lbs./1000 Ft.	Lbs./1000 Ft.		
7TP-2503	250	4	2.42	2.66	2.80	4950	6000	359	037023
7TP-3003	300	4	2.52	2.78	2.92	5600	6700	399	037023
7TP-3503	350	3	2.62	2.88	3.02	6200	7300	438	037023
7TP-4003	400	3	2.72	2.96	3.12	6800	7900	475	037023
7TP-5003	500	2	2.94	3.20	3.34	8200	9500	536	037023
7TP-6003	600	2	3.14	3.40	3.65	9400	10800	596	037023
7TP-7503	750	2	3.34	3.60	3.87	12000	12400	669	057312
7TP-10003	1000	1	3.68	3.92	4.22	14000	15400	770	057312

* After catalog number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TP-2503AJ).

NOTE: Diameters and weights may vary between manufacturers.

15kV THREE CONDUCTOR 133% INSULATION LEVEL

Galv. Steel or Aluminum Armor
Shielded
XLP Insulation
Inner and Outer PVC Jackets



APPLICATIONS:

For exposed or concealed wiring in wet or dry locations. For use in ventilated, non-ventilated

and ladder type cable troughs and ventilated flexible cableway in wet or dry locations. For direct earth burial.

SPECIFICATIONS:

1. CONDUCTOR: Class B stranded, bare, soft copper.
2. CONDUCTOR SHIELD: Cables have a semiconducting shield over the conductor.
3. INSULATION: Cross-linked polyethylene (XLP) Type RW90 XLP per CSA C22.2, No. 131, 215 mils insulation thickness.
4. IDENTIFICATION: The insulated conductors are identified by means of a colored tape (black, red and blue) placed longitudinally under the copper tape metallic shield.
5. GROUNDING CONDUCTOR: An uninsulated Class B stranded grounding conductor is included in the cable assembly.
6. ASSEMBLY: Multiple conductor cables are assembled with suitable fillers and binder tape.
7. INNER JACKET: Polyvinyl chloride (PVC) heat, flame and moisture resistant jacket, suitable for installation in temperatures down to -40°C .
8. ARMOR: Aluminum* or galvanized steel* interlocking armor.
9. OUTER JACKET: Polyvinyl chloride (PVC) heat, flame and moisture resistant jacket suitable for installation in temperatures down to minus 40°C . The standard color is black but colored jackets will be provided on request. Meets Flame test in accordance with Ontario Hydro Spec. L-891 SM-77. Meets Flame test in IEEE 383 or better.
10. AMPACITY: Based on a three conductor cable with a conductor temperature of 90°C and an ambient temperature of 40°C per NEC 310-71.
11. TEMPERATURE: -40°C to 90°C
12. VOLTAGE: 15kV

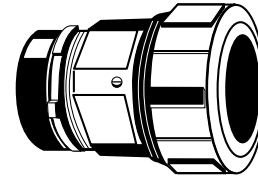
Anixter Number*	Cond. Size	Ground Wire Size	Nominal Diameters			Approximate Weight		Amps Per Cond.	3M Terminations
			Inner Jacket	Armor	Outer Jacket	Aluminum Armor	Steel Armor		
	AWG/kcmil	AWG	IN	IN	IN	Lbs./1000 Ft.	Lbs./1000 Ft.		
7TPU-0103	1	6	2.10	2.36	2.52	3000	3950	185	034004
7TPU-1013	1/0	6	2.18	2.44	2.60	3800	4250	215	034004
7TPU-2023	2/0	6	2.28	2.52	2.68	3850	4650	245	037023
7TPU-3033	3/0	4	2.38	2.62	2.78	4200	5300	285	037023
7TPU-4043	4/0	4	2.40	2.74	2.90	4750	5900	325	037023
7TPU-2503	250	4	2.60	2.84	3.00	5300	7700	360	037023
7TPU-3503	350	3	2.80	3.06	3.22	6500	9523	435	037023
7TPU-5003	500	2	3.12	3.38	3.56	8500	9900	535	037023
7TPU-7503	750	2	3.52	3.78	3.96	11400	12800	670	057312
7TPU-10003	1000	1	3.86	4.10	4.30	14200	15800	770	057312

* After catalog number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TPU-3033AJ).

NOTE: Diameters and weights may vary between manufacturers.

JAG – ARMORED CABLE FITTINGS

Type JAG (Jacketed, Armored, Gasketed) Terminating Fittings



APPLICATIONS:

Type JAG (Jacketed, Armored, Gasketed) terminating fittings are designed for use with strip (interlocked) or continuously corrugated armored cables with a jacket over the armor. They provide a gasketed seal by means of a neoprene bushing formed to the jacket by pressure of a gland nut, making the installation virtually weatherproof.

Standard sizes are available for use with cable having jackets from .35" to 4.65" diameter.

Locknuts and bushings are included to provide complete, on-the-spot materials, in one package, for terminating cables to structures.

Installation is effected by removing cable jacket for the necessary distance, then applying the components in their proper sequence.

Grounding is accomplished by a stainless steel sleeve tightened against the bared armor by three set screws.

Anixter Number	Manufacturer Number	Diameter Over Jacket		Max. Cable Core Diameter	Conduit Size	Fitting O.D.	Length Overall	Shipping Weight
		Min.	Max.					
		IN	IN					
7J-JAG45-05	JAG45-05	.35	.45	.61	.50	1.63	2.25	.25
7J-JAG55-05	JAG55-05	.45	.55	.61	.50	1.63	2.25	.25
7J-JAG65-05	JAG65-05	.55	.65	.61	.50	1.63	2.25	.25
7J-JAG75-05	JAG75-05	.65	.75	.61	.50	1.63	2.25	.25
7J-JAG85-05	JAG85-05	.75	.85	.61	.50	1.63	2.25	.25
7J-JAG95-05	JAG95-05	.85	.95	.61	.50	1.63	2.25	.25
7J-JAG99-07	JAG99-07	.85	.99	.81	.75	2.00	2.63	.33
7J-JAG107-07	JAG107-07	.92	1.07	.81	.75	2.00	2.63	.33
7J-JAG113-07	JAG113-07	.98	1.13	.81	.75	2.00	2.63	.33
7J-JAG121-07	JAG121-07	1.07	1.21	.81	.75	2.00	2.63	.33
7J-JAG112-10	JAG112-10	1.00	1.12	1.00	1.00	2.37	3.06	.50
7J-JAG125-10	JAG125-10	1.12	1.25	1.00	1.00	2.37	3.06	.50
7J-JAG138-10	JAG138-10	1.22	1.38	1.00	1.00	2.37	3.06	.50
7J-JAG138-12	JAG138-12	1.28	1.38	1.25	1.25	2.87	3.37	.66
7J-JAG156-12	JAG156-12	1.38	1.56	1.25	1.25	2.87	3.37	.66
7J-JAG174-12	JAG174-12	1.56	1.74	1.25	1.25	2.87	3.37	.66
7J-JAG188-12	JAG188-12	1.74	1.88	1.25	1.25	2.87	3.37	.66
7J-JAG174-15	JAG174-15	1.60	1.74	1.63	1.50	3.25	4.06	1.00
7J-JAG188-15	JAG188-15	1.74	1.88	1.63	1.50	3.25	4.06	1.00
7J-JAG200-15	JAG200-15	1.88	2.00	1.63	1.50	3.25	4.06	1.00
7J-JAG218-15	JAG218-15	2.00	2.18	1.63	1.50	3.25	4.06	1.00
7J-JAG219-20	JAG219-20	2.05	2.19	2.09	2.00	4.00	4.31	1.50
7J-JAG236-20	JAG236-20	2.19	2.36	2.09	2.00	4.00	4.31	1.50
7J-JAG247-20	JAG247-20	2.35	2.47	2.09	2.00	4.00	4.31	1.50
7J-JAG261-20	JAG261-20	2.47	2.61	2.09	2.00	4.00	4.31	1.50
7J-JAG263-25	JAG263-25	2.46	2.63	2.49	2.50	4.71	5.44	2.50
7J-JAG280-25	JAG280-25	2.62	2.80	2.49	2.50	4.71	5.44	2.50
7J-JAG296-25	JAG296-25	2.80	2.96	2.49	2.50	4.71	5.44	2.50
7J-JAG297-30	JAG297-30	2.80	2.97	3.11	3.00	5.09	5.75	3.00
7J-JAG311-30	JAG311-30	2.95	3.11	3.11	3.00	5.09	5.75	3.00
7J-JAG327-30	JAG327-30	3.10	3.27	3.11	3.00	5.09	5.75	3.00
7J-JAG343-30	JAG343-30	3.26	3.43	3.11	3.00	5.09	5.75	3.00
7J-JAG359-30	JAG359-30	3.42	3.59	3.11	3.00	5.09	5.75	3.00

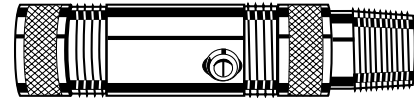
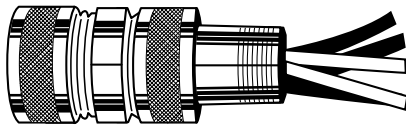
JAG – ARMORED CABLE FITTINGS

Continued

Type JAG (Jacketed, Armored, Gasketed)
Terminating Fittings

Anixter Number	Manufacturer Number	Diameter Over Jacket		Max. Cable Core Diameter	Conduit Size	Fitting O.D.	Length Overall	Shipping Weight
		Min.	Max.					
		IN	IN					
7J-JAG375-35	JAG375-35	3.52	3.75	3.61	3.50	5.68	5.81	3.25
7J-JAG392-35	JAG392-35	3.75	3.92	3.61	3.50	5.68	5.81	3.25
7J-JAG412-35	JAG412-35	3.90	4.12	3.61	3.50	5.68	5.81	3.25
7J-JAG423-40	JAG423-40	4.05	4.23	4.11	4.00	6.09	5.81	3.50
7J-JAG437-40	JAG437-40	4.20	4.37	4.11	4.00	6.09	5.81	3.50
7J-JAG451-40	JAG451-40	4.34	4.51	4.11	4.00	6.09	5.81	3.50
7J-JAG462-40	JAG462-40	4.43	4.62	4.11	4.00	6.09	5.81	3.50

ARMORED CABLE FITTINGS



Type PER FIT Metal Clad Cable Fittings

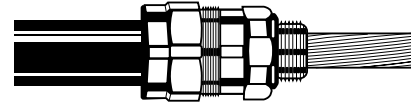
Anixter Number	PER FIT Catalog Number	Cable O.D.	
		Armor	Jacket
144590	WTU-069-075	.626–.690	.716–.780
144591	WTU-076-075	.691–.750	.781–.830
144592	WTU-083-075	.751–.815	.831–.905
144593	WTU-090-075	.816–.915	.906–1.005
144594	WTU-097-100	.916–.985	1.006–1.075
144595	WTU-104-100	.986–1.070	1.076–1.160
144596	WTU-111-100	1.071–1.135	1.161–1.225
144597	WTU-118-100	1.136–1.180	1.226–1.270
144598	WTU-125-125	1.181–1.220	1.271–1.330
144599	WTU-132-125	1.221–1.330	1.331–1.440
144600	WTU-139-125	1.331–1.380	1.441–1.490
144601	WTU-148-150	1.381–1.470	1.491–1.580
144602	WTU-157-150	1.471–1.585	1.581–1.695
144603	WTU-166-150	1.586–1.660	1.696–1.770
144604	WTU-175-200	1.661–1.760	1.771–1.890
144605	WTU-184-200	1.761–1.880	1.891–2.010
144606	WTU-202-200	1.941–2.020	2.071–2.150
144607	WTU-224-250	2.081–2.200	2.241–2.360
144608	WTU-235-250	2.201–2.300	2.361–2.460
144609	WTU-246-250	2.301–2.420	2.461–2.580
144610	WTU-257-250	2.421–2.560	2.581–2.720
144611	WTU-271-300	2.561–2.710	2.721–2.870
144612	WTU-285-300	2.711–2.840	2.871–3.000
144613	WTU-299-300	2.841–2.870	3.001–3.130
144614	WTU-313-300	2.971–3.120	3.131–3.280
144615	WTU-328-350	3.121–3.270	3.281–3.470
144616	WTU-343-350	3.271–3.420	3.471–3.620
144617	WTU-358-350	3.421–3.570	3.621–3.770
144618	WTU-373-400	3.571–3.720	3.772–3.920

Anixter Number	PER FIT Catalog Number	Cable O.D.	
		Armor	Jacket
144619	WTUPC-069-075	.626–.690	.716–.780
144620	WTUPC-076-075	.691–.750	.781–.830
144621	WTUPC-083-075	.751–.815	.831–.905
144622	WTUPC-090-075	.816–.915	.906–1.005
144623	WTUPC-097-100	.916–.985	1.006–1.075
144624	WTUPC-104-100	.986–1.070	1.076–1.160
144625	WTUPC-111-100	1.071–1.135	1.161–1.225
144626	WTUPC-118-100	1.136–1.180	1.226–1.270
144627	WTUPC-125-125	1.181–1.220	1.271–1.330
144628	WTUPC-132-125	1.221–1.330	1.331–1.440
144629	WTUPC-139-125	1.331–1.380	1.441–1.490
144630	WTUPC-148-150	1.381–1.470	1.491–1.580
144631	WTUPC-157-150	1.471–1.585	1.581–1.695
144632	WTUPC-166-150	1.586–1.660	1.696–1.770
144633	WTUPC-175-200	1.661–1.760	1.771–1.890
144634	WTUPC-184-200	1.761–1.880	1.891–2.010
144635	WTUPC-202-200	1.941–2.020	2.071–2.150
144636	WTUPC-224-250	2.081–2.200	2.241–2.360
144637	WTUPC-235-250	2.201–2.300	2.361–2.460
144638	WTUPC-246-250	2.301–2.420	2.461–2.580
144639	WTUPC-257-250	2.421–2.560	2.581–2.720
144640	WTUPC-271-300	2.561–2.710	2.721–2.870
144641	WTUPC-285-300	2.711–2.840	2.871–3.000
144642	WTUPC-299-300	2.841–2.870	3.001–3.130
144643	WTUPC-313-300	2.971–3.120	3.131–3.280
144644	WTUPC-328-350	3.121–3.270	3.281–3.470
144645	WTUPC-343-350	3.271–3.420	3.471–3.620
144646	WTUPC-358-350	3.421–3.570	3.621–3.770
144647	WTUPC-373-400	3.571–3.720	3.772–3.920

Manufactured by American Connectors, Inc.

METAL-CLAD FITTINGS

Star Teck Extreme



APPLICATIONS:

Metal-clad fittings for a broad range of jacketed and non-jacketed interlocked armor cable. Available in hub sizes from 1/2" to 4" and will handle outer jacket diameters from 0.525" to 4/340".

SPECIFICATIONS:

1. Where corrugated-jacket, metal-clad cable exposed to intermittent or continuous moisture is terminated into a threaded opening, the connector shall be of the water-tight type furnished with:
 - a.) An elastomeric beveled bushing or bushings.
 - b.) A funnel entry, splined gland nut.
 - c.) A nonmagnetic stainless steel or bronze with nickel plate grounding device with dual grounding fingers.
 - d.) A taper threaded hub.
 - e.) A hexagonal body and gland nut as manufactured by Thomas & Betts (aluminum series STE-050).
2. A synthetic rubber sealing device shall be captivated in a face groove providing optimized sealing even on irregular surfaces This configuration shall also prevent over-compression of the seal, such as Thomas & Betts series STE-050.
3. With a single conductor cable and/or in corrosive environments aluminum connectors, such as Thomas & Betts series STE-050, shall be installed.
4. All metal-clad cable fittings, for jacketed and non-jacketed interlocked armor cable, shall provide external bonding/grounding teeth capable of penetrating surface finishes to contact enclosure base metal, such as Thomas & Betts series STE-050.
5. All metal-clad cable fittings, for jacketed and non-jacketed interlocked armor cable shall incorporate an easily-removable armor-stop (not requiring fitting dis-assembly) ensuring proper positioning of the cable armor during cable termination, such as Thomas & Betts series STE-050.

CERTIFICATIONS:

STE*	STEX**
<ul style="list-style-type: none"> • Ordinary Location • Class I, Division 2 • NEMA 4, 4X, 6P 	<ul style="list-style-type: none"> • Ordinary Location • Class I, Division 2, Groups A, B, C, D • Class II, Division 1, Groups E, F, G • NEMA 4, 4X, 6P

* These fittings are suitable for Class I hazardous locations when used in combination with a certified Class I hazardous location sealing fitting.

** May be used in hazardous areas with approved MC type cable (or equal) when installed in accordance with NEC/CEC requirements.

METAL-CLAD FITTINGS

Continued

Star Teck Extreme

Catalog Number	Hub Size n.p.t. IN	Strip Length IN	Gland Torque (lb-in)	Range Over Jacket		Ranger Over Armor		A1: Throat Dia. Min. With End Stop	A2: Throat Dia. Min. Without End Stop	B* Overall IN	C Max. Alum. IN
				Min.	Max.	Min.	Max.				
STE050-462	1/2	1 1/4	300	.525	.650	.415	.570	N/A	.395	2.020	1.224
STE050	1/2	1 1/4	300	.600	.985	.520	.895	.505	.617	2.520	1.630
STE075	3/4	1 1/4	600	.860	1.205	.780	1.125	.645	.819	2.840	2.080
STE100	1	1 1/4	700	.950	1.375	.870	1.295	.785	1.044	3.020	2.300
STE125	1 1/4	1 3/4	1000	1.150	1.625	.990	1.465	.970	1.250	4.010	2.820
STE150	1 1/2	1 3/4	1200	1.440	1.965	1.280	1.805	1.260	1.562	4.290	3.250
STE200	2	1 3/4	1600	1.825	2.375	1.665	2.215	1.645	1.995	4.120	3.600
STE250	2 1/2	—	1600	2.265	2.840	2.105	2.680	2.080	2.430	—	—
STE300	3	—	1600	2.670	3.270	2.545	3.145	2.536	2.896	—	—
STE350	3 1/2	—	1600	3.220	3.870	3.090	3.710	3.070	3.420	—	—
STE400	4	—	1600	3.665	4.340	3.550	4.225	3.530	3.947	—	—

* Approximate dimensions before installation

MATERIAL DESCRIPTORS

Aluminum is standard material. To specify other material, add the appropriate suffix to the catalog number. The body and gland nut on hub sizes 1/2" to 1" are made of steel and 1 1/4" to 4" are made of malleable iron.

Desired Material	Suffix	Example
• Aluminum fitting with ground lock nut	GR	STE-050GR
• Steel with zinc plate	S	STE-050S
• Brass with nickel plate	BN	STE-050BN
• Aluminum with PVC coating	PVC	STE-050PVC
• Steel with PVC coating	S-PVC	STE-050S-PVC
• Stainless Steel	SS	STE-050SS

ICEA

CONDUCTOR IDENTIFICATION FOR ARMORED CONTROL CABLES

SCOPE

This appendix contains recommendations for conductor identification of conductors in armored control cables if such identification is used.

NATIONAL ELECTRIC CODE APPLICATIONS —

The National Electric Code specifies that conductors colored white be used only as grounded conductors and that conductors colored green or green/yellow be used only as grounding conductors and that neither white nor green be used in any manner on ungrounded conductors. Tables E-2 and E-4 provide color sequences which do not include white or green conductors. If grounded and/or grounding conductors are used in the cable, they shall be colored white or green, respectively, and inserted as the second and/or third designated conductor in the first sequence of circuit identification only. Where these conductors are required, they should be specified.

METHODS OF CONDUCTOR IDENTIFICATION

Method 1 — Colored Compounds with Tracers

This method uses base colors with tracers in accordance with Table E-1 or E-2. These color combinations should be repeated in regular sequence as necessary. Base colors may be obtained by suitable color coatings applied to the insulation or jacket surface or by colored insulation or jacket compound. Tracers should be colored stripes or bands marked on the surface of the insulation or jacket in such a manner as to afford distinctive coding throughout the length. Tracers may be continuous or broken lines, such as a series of dots or dashes, and should be applied longitudinally, annularly, spirally or in other distinctive patterns.

Method 2 — Neutral Colored Compounds with Tracers

This method uses a neutral background or base color, such as tan, on all conductors, with tracers as defined in Method 1 and in accordance with Table E-3 or E-4. These color combinations should be repeated in regular sequence as necessary.

Method 3 — Neutral or Single-Color Compounds with Surface Printing of Numbers and Color Designations

This method uses a single-color insulation or covering on all conductors with printed conductor numbers and color designations in accordance with Table E-1 or E-2. These color combinations should be repeated in regular sequence as necessary.

For example, using Table E-2, for conductors 1 to 3, inclusive.

1—Black	1—Black	1—Black
2—Red	2—Red	2—Red
3—Blue	3—Blue	3—Blue

Method 4 — Neutral or Single-Color Compounds with Surface Printing of Numbers

This method uses a single color installation or covering on all conductors with each conductor numbered in sequence by surface printing, beginning with the number 1.

Method 5 — Individual Color Coding with Braids

This method uses colored braids over the insulated conductors in accordance with Table E-2 or E-5. The tracers should consist of three carriers with each carrier composed of a minimum of two ends. Where two tracers are used, they should be crossed.

Method 6 — Layer Identification

This method uses a distinctively identified conductor in each layer.

Method 7 — Paired Conductors

One conductor of each pair should be coded “white” or “black” and the other conductors should be coded in accordance with the sequence given in Table E-2 or E-5, omitting white or black, respectively. This color sequence should be repeated as necessary.

ICEA CONDUCTOR IDENTIFICATION FOR ARMORED CABLES

**Table E-1 (formerly K-1)
COLOR SEQUENCE**

Conductor Number	Background or Base Color	Tracer Color	Conductor Number	Background or Base Color	Tracer Color
1	Black	...	11	Blue	Black
2	White	...	12	Black	White
3	Red	...	13	Red	White
4	Green	...	14	Green	White
5	Orange	...	15	Blue	White
6	Blue	...	16	Black	Red
7	White	Black	17	White	Red
8	Red	Black	18	Orange	Red
9	Green	Black	19	Blue	Red
10	Orange	Black	20	Red	Green
			21	Orange	Green

**Table E-2 (formerly K-2)
COLOR SEQUENCE**

Conductor Number	Background or Base Color	Tracer Color	Conductor Number	Background or Base Color	Tracer Color
1	Black	...	19	Orange	Blue
2	Red	...	20	Yellow	Blue
3	Blue	...	21	Brown	Blue
4	Orange	...	22	Black	Orange
5	Yellow	...	23	Red	Orange
6	Brown	...	24	Blue	Orange
7	Red	Black	25	Yellow	Orange
8	Blue	Black	26	Brown	Orange
9	Orange	Black	27	Black	Yellow
10	Yellow	Black	28	Red	Yellow
11	Brown	Black	29	Blue	Yellow
12	Black	Red	30	Orange	Yellow
13	Blue	Red	31	Brown	Yellow
14	Orange	Red	32	Black	Brown
15	Yellow	Red	33	Red	Brown
16	Brown	Red	34	Blue	Brown
17	Black	Blue	35	Orange	Brown
18	Red	Blue	36	Yellow	Brown

ICEA CONDUCTOR IDENTIFICATION FOR ARMORED CABLES

**Table E-3 (formerly K-3)
COLOR SEQUENCE**

Conductor Number	First Tracer Color (e.g., Wide Tracer)	Second Tracer Color (e.g., Narrow Tracer)	Conductor Number	First Tracer Color (e.g., Wide Tracer)	Second Tracer Color (e.g., Narrow Tracer)
1	Black	...	11	Blue	Black
2	White	...	12	Black	White
3	Red	...	13	Red	White
4	Green	...	14	Green	White
5	Orange	...	15	Blue	White
6	Blue	...	16	Black	Red
7	White	Black	17	White	Red
8	Red	Black	18	Orange	Red
9	Green	Black	19	Blue	Red
10	Orange	Black	20	Red	Green
			21	Orange	Green

**Table E-4 (formerly K-4)
COLOR SEQUENCE**

Conductor Number	First Tracer Color (e.g., Wide Tracer)	Second Tracer Color (e.g., Narrow Tracer)	Conductor Number	First Tracer Color (e.g., Wide Tracer)	Second Tracer Color (e.g., Narrow Tracer)
1	Black	...	19	Orange	Blue
2	Red	...	20	Yellow	Blue
3	Blue	...	21	Brown	Blue
4	Orange	...	22	Black	Orange
5	Yellow	...	23	Red	Orange
6	Brown	...	24	Blue	Orange
7	Red	Black	25	Yellow	Orange
8	Blue	Black	26	Brown	Orange
9	Orange	Black	27	Black	Yellow
10	Yellow	Black	28	Red	Yellow
11	Brown	Black	29	Blue	Yellow
12	Black	Red	30	Orange	Yellow
13	Blue	Red	31	Brown	Yellow
14	Orange	Red	32	Black	Brown
15	Yellow	Red	33	Red	Brown
16	Brown	Red	34	Blue	Brown
17	Black	Blue	35	Orange	Brown
18	Red	Blue	36	Yellow	Brown

ICEA CONDUCTOR IDENTIFICATION FOR ARMORED CABLES

**Table E-5 (formerly K-5)
COLOR SEQUENCE**

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	...	...	20	Red	Green	...
2	White	...	...	21	Orange	Green	...
3	Red	...	...	22	Black	White	Red
4	Green	...	...	23	White	Black	Red
5	Orange	...	...	24	Red	Black	White
6	Blue	...	...	25	Green	Black	White
7	White	Black	...	26	Orange	Black	White
8	Red	Black	...	27	Blue	Black	White
9	Green	Black	...	28	Black	Red	Green
10	Orange	Black	...	29	White	Red	Green
11	Blue	Black	...	30	Red	Black	Green
12	Black	White	...	31	Green	Black	Orange
13	Red	White	...	32	Orange	Black	Green
14	Green	White	...	33	Blue	White	Orange
15	Blue	White	...	34	Black	White	Orange
16	Black	Red	...	35	White	Red	Orange
17	White	Red	...	36	Orange	White	Blue
18	Orange	Red	...	37	White	Red	Blue
19	Blue	Red	...				