

Product Data Sheet

1 kV Three Conductor



Product Description

Galvanized steel or interlocked 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

- CONDUCTOR: Class B stranded, bare, soft copper
- INSULATION: Cross-Linked Polyethylene (XLP)
- COLOR CODING: Surface color coding is standard for sizes up to and including AWG #6, for larger sizes number coding is standard
- GROUNDING CONDUCTOR: An uninsulated Class B stranded grounding conductor is included in the cable assembly
- ASSEMBLY: Multiple conductor cables are assembled with suitable fillers and binder tape
- INNER JACKET: Polyvinyl Chloride (PVC)
- ARMOR: Aluminum or galvanized steel interlocking armor
- OUTER JACKET: Polyvinyl Chloride (PVC) heat-, flame- and moisture-resistant jacket, rated -40 °C, the standard color is black but colored jackets will be provided on request
- STANDARDS: The cable is certified to CSA C22.2 No. 131 Teck 90 cable and No. 174 for use in CSA Class 1, Division 1 hazardous locations (CSA HL rated) and passes the FT4 vertical tray flame test
- AMPACITY: Based on 90 °C column of Table 2 of the 2009 Canadian Electric Code, allowable ampacities for not more than three copper conductors in raceway or cable based on 30 °C ambient temperature
- TEMPERATURE: -40 °C to 90 °C
- VOLTAGE: 1 kV

Product Data Sheet

After part number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TK-1013AJ). Diameters and weights may vary among manufacturers.

Part No.	Conductor Size AWG/kcmil	Ground Wire Size AWG	Nom. Diameter Inner Jacket (in.)	Nom. Diameter Armor (in.)	Nom. Diameter Outer Jacket (in.)	Approx. Wt. Alum. Armor lb./1,000 ft.	Approx. Wt. Steel Armor lb./1,000 ft.	Amps per Conductor
7TK-1403	14	14	0.45	0.65	0.76	230	370	15
7TK-1203	12	14	0.48	0.68	0.78	260	410	20
7TK-1003	10	12	0.53	0.73	0.83	340	500	30
7TK-0803	8	10	0.62	0.82	0.92	420	590	45
7TK-0603	6	8	0.77	0.97	1.07	600	880	65
7TK-0403	4	8	0.89	1.09	1.20	790	1,100	85
7TK-0303	3	6	0.95	1.15	1.26	910	1,250	105
7TK-0203	2	6	1.01	1.21	1.32	1,040	1,400	120
7TK-0103	1	6	1.16	1.36	1.47	1,250	1,650	140
7TK-1013	1/0	6	1.27	1.47	1.59	1,490	1,930	155
7TK-2023	2/0	6	1.28	1.50	1.60	2,004	2,200	185
7TK-3033	3/0	4	1.38	1.60	1.71	2,412	2,620	210
7TK-4043	4/0	4	1.48	1.70	1.82	2,786	3,007	235
7TK-2503	250	4	1.62	1.87	1.98	3,350	3,601	265
7TK-3003	300	4	1.79	2.04	2.16	3,900	4,181	295
7TK-3503	350	3	1.88	2.13	2.25	4,323	4,617	325
7TK-4003	400	3	1.96	2.21	2.33	4,725	5,037	345
7TK-5003	500	2	2.13	2.38	2.50	5,625	5,970	395
7TK-6003	600	2	2.362	2.61	2.76	6,535	6,953	455
7TK-7503	750	2	2.57	2.82	2.97	7,725	8,177	500
7TK-10003	1000	1	2.96	3.21	3.36	9,664	10,181	585