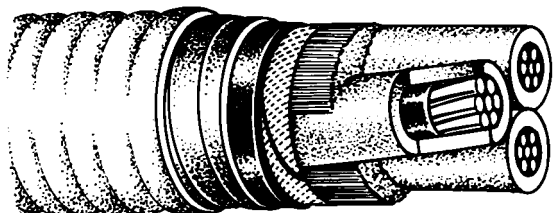


Product Data Sheet

5 kV Three Conductor Nonshielded



Product Description

Galvanized steel or interlocked aluminum armor
Nonshielded
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

- CONDUCTOR: Class B stranded, bare, soft copper
- CONDUCTOR SHIELD: Cables have a semiconducting shield over the conductor
- INSULATION: Cross-Linked Polyethylene (XLP), 90 mils insulation thickness
- GROUNDING CONDUCTOR: An uninsulated Class B stranded grounding conductor is included in the cable assembly with suitable fillers
- 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 orange but colored jackets will be provided upon 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: 5 kV

Product Data Sheet

After part number use: "SJ" for steel, "AJ" for aluminum, (e.g. 7TN-4043AJ). 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
7TN-0803	8	10	0.94	1.14	1.23	730	1,080	50
7TN-0603	6	8	1.02	1.22	1.31	890	1,240	70
7TN-0403	4	8	1.12	1.32	1.40	1,100	1,500	90
7TN-0303	3	6	1.17	1.37	1.46	1,280	1,680	105
7TN-0203	2	6	1.24	1.44	1.52	1,440	1,740	120
7TN-0103	1	6	1.35	1.55	1.68	1,720	2,150	140
7TN-1013	1/0	6	1.43	1.63	1.76	1,980	2,500	155
7TN-2023	2/0	6	1.51	1.76	1.89	2,400	3,000	185
7TN-3033	3/0	4	1.62	1.87	2.00	2,850	3,500	210
7TN-4043	4/0	2	1.79	2.04	2.18	3,500	4,300	235
7TN-2503	250	4	1.90	2.16	2.28	3,950	4,800	270
7TN-3003	300	4	2.02	2.28	2.40	4,500	5,400	300
7TN-3503	350	3	2.12	2.362	2.52	5,200	6,100	325
7TN-4003	400	3	2.20	2.46	2.62	5,800	6,700	360
7TN-5003	500	2	2.38	2.62	2.78	6,900	7,900	405
7TN-6003	600	2	2.56	2.80	2.96	8,000	9,100	455
7TN-7503	750	2	2.76	3.00	3.18	9,600	10,800	500
7TN-10003	1000	1	3.14	3.40	3.58	12,600	14,000	585