

# Product Data Sheet

## 15 kV Three Conductor 100% Insulation Level



### Product Description

Galvanized steel or interlocked 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

- CONDUCTOR: Class B stranded, bare, soft copper
- CONDUCTOR SHIELD: Cables have a semiconducting shield over the conductor
- INSULATION: Cross-Linked Polyethylene (XLP), 175 mils insulation thickness
- IDENTIFICATION: The insulated conductors are identified by means of a colored tape (black, red and blue) placed longitudinally immediately under the copper tape shield
- 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
- 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 red but colored jackets are available on request
- STANDARDS: The cable is certified to CSA C22.2 No. 131 and No. 174 for use in CSA Class 1, Division 1 hazardous locations (CSA HL rated) and CSA C68.3 and passes the FT4 vertical tray flame test
- AMPACITY: Refer to IEEE 835-1994 tables for ampacity values, and the Canadian Electrical Code for correction factors
- TEMPERATURE: -40 °C to 90 °C
- VOLTAGE: 15 kV

# Product Data Sheet

After part number use; "SJ" for steel, "AJ" for aluminum, (e.g. 7TP-2023AJ). 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.	3M Terminations
7TP-0203	2	6	1.84	2.09	2.19	2,400	3,250	034004
7TP-0103	1	6	1.91	2.16	2.26	2,650	3,500	034004
7TP-1013	1/0	6	2.00	2.26	2.34	3,950	3,850	034004
7TP-2023	2/0	6	2.10	2.34	2.45	3,400	4,350	037023
7TP-3033	3/0	4	2.20	2.46	2.56	3,900	4,900	037023
7TP-4043	4/0	4	2.32	2.56	2.67	4,450	5,500	037023
7TP-2503	250	4	2.42	2.66	2.80	4,950	6,000	037023
7TP-3003	300	4	2.52	2.78	2.92	5,600	6,700	037023
7TP-3503	350	3	2.62	2.88	3.02	6,200	7,300	037023
7TP-4003	400	3	2.72	2.96	3.12	6,800	7,900	037023
7TP-5003	500	2	2.94	3.20	3.34	8,200	9,500	037023
7TP-6003	600	2	3.14	3.40	3.65	9,400	10,800	037023
7TP-7503	750	2	3.34	3.60	3.87	12,000	12,400	057312
7TP-10003	1000	1	3.68	3.92	4.22	14,000	15,400	057312