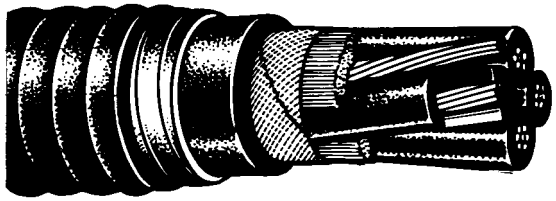
Product Data Sheet

600 V 14 AWG Multiconductor



Product Description
Galvanized steel or aluminum armor
XLP insulation
Inner and outer PVC jackets, interlocked 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
- CONDUCTOR: Class B stranded, bare, soft copper
- INSULATION: Cross-Linked Polyethylene (XLP) as approved by CSA on Types RW90 XLP -40℃ 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
- GROUNDING CONDUCTOR: 14 AWG 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) heat-, flame- and moisture-resistant jacket, rated -40℃
- ARMOR: Aluminum or galvanized steel interlocking armor
- OVERALL JACKET: Polyvinyl Chloride (PVC) heat-, flame- and moisture-resistant jacket, rated -40℃, the standard color is black but colored jackets are available. Meets Ontario Hydro Spec. L-891 SM-77 flame test and passes FT4 vertical tray flame test
- AMPACITY: Based on 90℃ 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℃ ambient temperature. Ampacity correction factors for number of conductors from Table 5C of the CEC
- TEMPERATURE: -40℃ to 90℃
- VOLTAGE: 600 V

Product Data Sheet

Note: After catalog number use; "SJ" for steel, "AJ" for aluminum (e.g. 7TD-1407AJ). Diameters and weights may vary among manufacturers.

Part No.	No. of Conductors	Approx. Diameter Inner Jacket (in.)	Approx. Diameter Armor (in.)	Approx. Diameter Outer Jacket (in.)	Approx. Wt. lb./1,000 ft. Alum. Armor Unjacketed	Approx. Wt. lb./1,000 ft. Alum. Armor Jacketed	Approx. Wt. lb./1,000 ft. Steel Armor Unjacketed	Approx. Wt. lb./1,000 ft. Steel Armor Jacketed	Amps per Conductor
7TD-1402	2	0.372	0.575	0.680	140	205	255	320	15
7TD-1403	3	0.394	0.595	0.700	160	225	280	345	15
7TD-1404	4	0.442	0.645	0.750	188	260	320	390	15
7TD-1405	5	0.480	0.680	0.790	215	290	355	430	12
7TD-1406	6	0.520	0.720	0.830	240	320	390	470	12
7TD-1407	7	0.535	0.735	0.840	260	340	410	490	10
7TD-1408	8	0.605	0.805	0.915	310	395	480	570	10
7TD-1409	9	0.640	0.840	0.945	335	425	520	610	10
7TD-1410	10	0.680	0.880	0.985	365	460	560	650	10
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	1,020	10
7TD-1420	20	0.855	1.060	1.16	620	730	920	1,040	10
7TD-1425	25	1.000	1.200	1.31	780	900	1,140	1,260	9
7TD-1430	30	1.080	1.280	1.39	890	1,040	1,280	1,400	9
7TD-1440	40	1.200	1.400	1.51	1,100	1,260	1,520	1,660	9
7TD-1450	50	1.310	1.510	1.62	1,300	1,460	1,760	1,920	7
7TD-1460	60	1.430	1.630	1.76	1,520	1,720	2,000	2,200	7
7TD-1470	70	1.510	1.760	1.89	1,760	1,980	2,400	2,600	7
7TD-1480	80	1.600	1.850	1.98	1,980	2,200	2,650	2,850	7
7TD-1490	90	1.690	1.910	2.04	2,200	2,450	2,850	3,100	7
7TD-14100	100	1.830	2.080	2.22	2,800	3,550	3,350	3,650	7