

Product Data Sheet

600 V 10 AWG Multiconductor



Product Description

XLP insulation

Inner and outer PVC jackets

Galvanized steel or aluminum 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°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
- 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°C
- ARMOR: Aluminum or galvanized steel interlocking armor
- OVERALL JACKET: Polyvinyl chloride (PVC) heat-, flame- and moisture-resistant jacket, rated -40°C, the standard color is black but colored jackets are available on request, meets Ontario Hydro Spec. L-891 SM-77 flame test and 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. Ampacity correction factors for number of conductors from Table 5C of the CEC
- TEMPERATURE: -40°C to 90°C
- VOLTAGE: 600 V

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Note: After catalog number use; "SJ" for steel, "AJ" for aluminum (e.g. 7TF-1003AJ). 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
7TF-1002	2	0.458	0.650	0.765	210	280	340	415	30
7TF-1003	3	0.486	0.690	0.800	255	330	395	470	30
7TF-1004	4	0.550	0.750	0.860	305	390	460	645	24
7TF-1005	5	0.630	0.830	0.935	375	465	550	640	24
7TF-1006	6	0.680	0.870	0.990	430	525	615	710	24
7TF-1007	7	0.695	0.900	1.010	470	570	665	760	21
7TF-1008	8	0.755	0.955	1.070	560	660	830	930	21
7TF-1009	9	0.795	0.995	1.110	610	715	890	995	21
7TF-1010	10	0.850	1.050	1.160	670	775	960	1,080	21
7TF-1011	11	0.865	1.07	1.17	710	810	1,020	1,120	21
7TF-1012	12	0.935	1.14	1.24	800	915	1,120	1,240	21
7TF-1013	13	0.945	1.15	1.26	840	960	1,180	1,300	21
7TF-1014	14	0.995	1.20	1.30	890	1,020	1,240	1,360	21
7TF-1015	15	1.020	1.21	1.31	940	1,060	1,280	1,420	21
7TF-1016	16	1.040	1.24	1.34	980	1,120	1,340	1,480	21
7TF-1017	17	1.060	1.26	1.37	1,040	1,180	1,400	1,540	21
7TF-1018	18	1.090	1.29	1.40	1,080	1,220	1,460	1,600	21
7TF-1019	19	1.100	1.30	1.41	1,140	1,260	1,500	1,640	21
7TF-1020	20	1.120	1.32	1.43	1,180	1,320	1,560	1,700	21
7TF-1025	25	1.260	1.46	1.57	1,420	1,560	1,840	1,980	18
7TF-1030	30	1.360	1.56	1.67	1,640	1,840	2,100	2,300	18
7TF-1040	40	1.530	1.78	1.89	2,140	2,350	2,750	3,000	18
7TF-1050	50	1.660	1.91	2.04	2,560	2,800	3,250	3,500	15