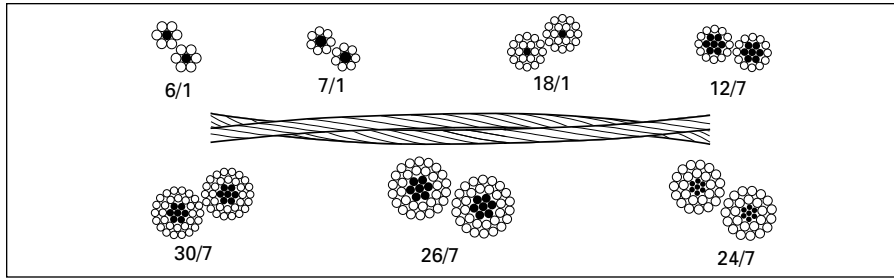


TransPowr® ACSR/T-2® Bare Overhead Conductor

Aluminum Conductor Steel-Reinforced Concentric-Lay-Stranded Twisted Pair



Product Construction:

Complete Conductor:

ACSR/T-2® is a pair of stranded aluminum, steel reinforced conductors twisted around each other at nine foot intervals. ACSR/T-2 conductors are manufactured in accordance with the latest applicable issue of ASTM B911. The sizes and strandings listed on the following pages are those most frequently used for overhead lines. The steel core wires are protected by galvanizing, aluminizing or aluminum cladding. The standard Class A zinc coating is usually adequate for ordinary environments. For greater protection, Class B and C galvanized coatings, aluminized or aluminum-clad steel cores may be specified.

Features and Benefits:

The ACSR/T-2 conductor design effectively resists wind-induced motion in two ways. First, the constantly varying diameter prevents buildup of resonant vibration in the line. Second, the low torsional stiffness reduces motion-causing wind forces to ineffective levels. These mechanical properties eliminate galloping, reduce aeolian vibration and control sub-conductor oscillation. ACSR/T-2 can reduce structural costs by permitting higher conductor tensions, resulting in less sag and longer spans. Also, right-of-way costs may be reduced by utilizing compact line designs. Electrically, ACSR/T-2 operates at lower temperatures and has a lower AC resistance than a single conventional conductor with the same aluminum area. ACSR/T-2 can be installed with many of the same methods and equipment used for standard round conductors.

Applications:

ACSR/T-2 conductors are used for overhead distribution and transmission lines which are subject to wind-induced motion damage.

Options:

- E3X® surface coating (/E3X)
- High-conductivity aluminum (/HC) (62.2% IACS)
- Regular-strength Class C galvanized steel core (/GC2)
- High-strength Class A galvanized steel core (/GA3 to ASTM B606)
- Extra-high-strength Class A galvanized steel core (/GA4 to ASTM B957)
- Ultra-high-strength Class A galvanized steel core (/GA5 to ASTM B957)
- Regular-strength Class A zinc-5% aluminum mischmetal alloy-coated steel core (/MA2 to ASTM B802)
- High-strength Class A zinc-5% aluminum mischmetal alloy-coated steel core (/MA3 to ASTM B803)
- Extra-high-strength Class A zinc-5% aluminum mischmetal alloy-coated steel core (/MA4 to ASTM B958)
- Ultra-high-strength Class A zinc-5% aluminum mischmetal alloy-coated steel core (/MA5 to ASTM B958)
- Aluminum-clad steel core (/AW)
- Non-specular surface finish (/NS)

TransPowr® ACSR/T-2® Bare Overhead Conductor

Aluminum Conductor Steel-Reinforced Concentric-Lay-Stranded Twisted Pair

ACSR/T-2, CONCENTRIC-LAY-STRANDED (MECHANICAL PROPERTIES)

CODE WORD	SIZE AWG OR kcmil	COMPONENT			OUTER AREA SQ. INCHES		OVERALL DIMENSIONS INCHES	EQUIV. DIA. INCHES	APPROX. WEIGHT LB/KFT		RATED STRENGTH LBS
		AWG OR kcmil	STRANDING NO. X DIA. INCHES		TOTAL	AL			TOTAL	AL	
			AL	STEEL							
T-2 Swan	#1	#4	6x0.0834	1x0.0834	0.0765	0.0656	0.250 x 0.500	0.410	114.7	77.9	3720
T-2 Swanate	#1	#4	7x0.0772	1x0.1029	0.0822	0.0655	0.257 x 0.514	0.421	133.8	77.7	4720
T-2 Swallow	1/0	#3	6x0.0936	1x0.0937	0.0964	0.0826	0.281 x 0.562	0.460	144.6	98.1	4590
T-2 Sparrow	2/0	#2	6x0.1052	1x0.1052	0.1217	0.1043	0.316 x 0.632	0.517	182.5	123.9	5690
T-2 Sparate	2/0	#2	7x0.0974	1x0.1299	0.1308	0.1043	0.325 x 0.650	0.532	213.1	123.7	7280
T-2 Robin	3/0	#1	6x0.1181	1x0.1181	0.1534	0.1315	0.354 x 0.708	0.580	230.0	156.1	7110
T-2 Raven	4/0	1/0	6x0.1327	1x0.1327	0.1936	0.1660	0.398 x 0.796	0.652	290.4	197.1	8760
T-2 Quail	266.2	2/0	6x0.1489	1x0.1489	0.2438	0.2090	0.447 x 0.894	0.731	365.6	248.2	10600
T-2 Pigeon	335.6	3/0	6x0.1672	1x0.1672	0.3074	0.2635	0.502 x 1.004	0.821	461.0	312.9	13200
T-2 Penguin	423.2	4/0	6x0.1878	1x0.1878	0.3878	0.3324	0.563 x 1.126	0.922	581.6	394.8	16700
T-2 Jaegar	456.4	228.2	18x0.1126	1x0.1126	0.3784	0.3585	0.563 x 1.126	0.922	494.2	427.1	12000
T-2 Waxwing	533.6	266.8	18x0.1217	1x0.1217	0.4420	0.4188	0.608 x 1.216	0.996	577.3	498.9	13800
T-2 Spoonbill	533.6	266.8	22x0.1101	7x0.0612	0.4601	0.4189	0.624 x 1.248	1.021	639.5	500.0	17400
T-2 Scaup	533.6	266.8	24x0.1054	7x0.0703	0.4731	0.4188	0.632 x 1.264	1.035	684.4	500.3	20000
T-2 Partridge	533.6	266.8	26x0.1013	7x0.0788	0.4874	0.4191	0.642 x 1.284	1.050	732.3	501.0	22600
T-2 Junco	533.6	266.8	30x0.0943	7x0.0943	0.5168	0.4190	0.660 x 1.320	1.081	832.9	501.7	27900
T-2 Ostrich	600.0	300.0	26x0.1074	7x0.0835	0.5478	0.4711	0.680 x 1.360	1.113	822.9	563.2	25400
T-2 Merlin	672.8	336.4	18x0.1367	1x0.1367	0.5577	0.5284	0.684 x 1.368	1.119	728.4	629.4	17400
T-2 Trogon	672.8	336.4	20x0.1297	7x0.0576	0.5650	0.5285	0.692 x 1.384	1.132	754.6	631.0	18900
T-2 Woodcock	672.8	336.4	22x0.1237	7x0.0687	0.5807	0.5288	0.701 x 1.402	1.147	807.0	631.2	21800
T-2 Widgeon	672.8	336.4	24x0.1184	7x0.0789	0.5969	0.5285	0.710 x 1.420	1.163	863.2	631.3	25000
T-2 Linnet	672.8	336.4	26x0.1137	7x0.0884	0.6139	0.5280	0.720 x 1.440	1.179	922.2	631.2	28200
T-2 Oriole	672.8	336.4	30x0.1059	7x0.1059	0.6518	0.5285	0.741 x 1.482	1.214	1050	632.7	34700
T-2 Chickadee	795.0	397.5	18x0.1486	1x0.1486	0.6590	0.6244	0.743 x 1.486	1.216	860.8	743.8	19900
T-2 Ptarmigan	795.0	397.5	20x0.1410	7x0.0627	0.6678	0.6246	0.752 x 1.504	1.231	892.2	745.7	22100
T-2 Stork	795.0	397.5	22x0.1344	7x0.0747	0.6856	0.6242	0.762 x 1.524	1.247	952.9	745.1	25700
T-2 Brant	795.0	397.5	24x0.1287	7x0.0858	0.7054	0.6244	0.772 x 1.544	1.264	1020	745.9	29300
T-2 Ibis	795.0	397.5	26x0.1236	7x0.0961	0.7255	0.6239	0.783 x 1.566	1.281	1090	745.9	32500
T-2 Lark	795.0	397.5	30x0.1151	7x0.1151	0.7700	0.6243	0.806 x 1.612	1.319	1241	747.4	40700
T-2 Pelican	954.0	477.0	18x0.1628	1x0.1628	0.7910	0.7494	0.814 x 1.628	1.333	1033	892.8	23500
T-2 Tailorbird	954.0	477.0	20x0.1544	7x0.0686	0.8007	0.7489	0.823 x 1.646	1.348	1069	894.2	26200
T-2 Toucan	954.0	477.0	22x0.1472	7x0.0818	0.8224	0.7488	0.834 x 1.668	1.366	1143	893.8	30500
T-2 Flicker	954.0	477.0	24x0.1410	7x0.0940	0.8467	0.7495	0.846 x 1.692	1.385	1224	895.3	34300
T-2 Hawk	954.0	477.0	26x0.1354	7x0.1053	0.8707	0.7487	0.858 x 1.716	1.404	1308	895.1	39100
T-2 Hen	954.0	477.0	30x0.1261	7x0.1261	0.9242	0.7493	0.883 x 1.766	1.445	1489	897.1	47600
T-2 Heron	1000.0	500.0	30x0.1291	7x0.1291	0.9687	0.7854	0.904 x 1.808	1.479	1561	940.2	49900
T-2 Nightingale	1034.0	517.0	18x0.1695	1x0.1694	0.8574	0.8123	0.847 x 1.694	1.387	1120	967.7	25500
T-2 Creeper	1034.0	517.0	20x0.1608	7x0.0714	0.8684	0.8123	0.857 x 1.714	1.404	1160	969.9	28400
T-2 Osprey	1113.0	556.5	18x0.1758	1x0.1758	0.9224	0.8738	0.879 x 1.758	1.439	1205	1041	27400
T-2 Tody	1113.0	556.5	20x0.1668	7x0.0741	0.9344	0.8741	0.890 x 1.780	1.456	1248	1044	30500
T-2 Sapsucker	1113.0	556.5	22x0.1590	7x0.0883	0.9594	0.8736	0.901 x 1.802	1.475	1333	1043	35100
T-2 Parakeet	1113.0	556.5	24x0.1523	7x0.1015	0.9877	0.8744	0.914 x 1.828	1.496	1428	1045	39600
T-2 Dove	1113.0	556.5	26x0.1463	7x0.1138	1.0170	0.8741	0.927 x 1.854	1.517	1527	1045	45200
T-2 Eagle	1113.0	556.5	30x0.1362	7x0.1362	1.0780	0.8742	0.953 x 1.906	1.561	1737	1047	55600
T-2 Kittiwake	1192.0	596.0	18x0.1820	1x0.1820	0.9886	0.9366	0.910 x 1.820	1.490	1291	1116	29400

(1) Code words shown denote ACSR/T-2 with regular-strength Class A Galvanized steel core ((GA)2). See the Options section to find the appropriate code word modifier designation for alternative design options.

(2) Due to rounding, total values may be slightly greater or slightly less than the sum of the component values.

Dimensions and weights not designated minimum or maximum are nominal values and subject to manufacturing tolerances. In this context, weight means mass.

TransPwr® ACSR/T-2® Bare Overhead Conductor

Aluminum Conductor Steel-Reinforced Concentric-Lay-Stranded Twisted Pair

ACSR/T-2, CONCENTRIC-LAY-STRANDED (ELECTRICAL PROPERTIES)

CODE WORD	SIZE AWG OR kcmil	COMPONENT				OUTER AREA SQ. INCHES	OVERALL DIMENSIONS INCHES	EQUIV. DIA. INCHES	RESISTANCE OHMS/KFT			AMPACITY @75°C		GEOMETRIC MEAN RADIUS FT	INDUCTIVE REACTANCE OHM/KFT	CAPACITIVE REACTANCE MEGAOHM/ KFT	
		AWG OR kcmil	STRANDING NO. X DIA. INCHES		TOTAL				AL	DC @20°C	AC @25°C	AC @75°C	STD.				E3X®
			AL	STEEL													
T-2 Swan	#1	#4	6x0.0834	1x0.0834	0.0765	0.0656	0.250 x 0.500	0.410	0.201	0.205	0.246	230	250	0.0129	0.100	0.6605	
T-2 Swanate	#1	#4	7x0.0772	1x0.1029	0.0822	0.0655	0.257 x 0.514	0.421	0.198	0.202	0.242	230	255	0.0134	0.0991	0.6562	
T-2 Swallow	1/0	#3	6x0.0936	1x0.0937	0.0964	0.0826	0.281 x 0.562	0.460	0.160	0.163	0.195	265	290	0.0145	0.0973	0.6424	
T-2 Sparrow	2/0	#2	6x0.1052	1x0.1052	0.1217	0.1043	0.316 x 0.632	0.517	0.126	0.129	0.154	305	340	0.0162	0.0947	0.6242	
T-2 Sparate	2/0	#2	7x0.0974	1x0.1299	0.1308	0.1043	0.325 x 0.650	0.532	0.125	0.127	0.152	310	345	0.0169	0.0938	0.6197	
T-2 Robin	3/0	#1	6x0.1181	1x0.1181	0.1534	0.1315	0.354 x 0.708	0.580	0.100	0.102	0.122	355	395	0.0182	0.0921	0.6061	
T-2 Raven	4/0	1/0	6x0.1327	1x0.1327	0.1936	0.1660	0.398 x 0.796	0.652	0.0794	0.0811	0.0970	410	460	0.0205	0.0893	0.5878	
T-2 Quail	266.2	2/0	6x0.1489	1x0.1489	0.2438	0.2090	0.447 x 0.894	0.731	0.0631	0.0644	0.0771	475	535	0.0230	0.0867	0.5698	
T-2 Pigeon	335.6	3/0	6x0.1672	1x0.1672	0.3074	0.2635	0.502 x 1.004	0.821	0.0500	0.0511	0.0612	550	620	0.0258	0.0841	0.5516	
T-2 Penguin	423.2	4/0	6x0.1878	1x0.1878	0.3878	0.3324	0.563 x 1.126	0.922	0.0397	0.0406	0.0485	635	720	0.0290	0.0814	0.5334	
T-2 Jaegar	456.4	228.2	18x0.1126	1x0.1126	0.3784	0.3585	0.563 x 1.126	0.922	0.0375	0.0385	0.0460	655	740	0.0292	0.0812	0.5335	
T-2 Waxwing	533.6	266.8	18x0.1217	1x0.1217	0.4420	0.4188	0.608 x 1.216	0.996	0.0321	0.0330	0.0394	720	820	0.0315	0.0795	0.5213	
T-2 Spoonbill	533.6	266.8	22x0.1101	7x0.0612	0.4601	0.4189	0.624 x 1.248	1.021	0.0319	0.0328	0.0392	725	830	0.0327	0.0786	0.5174	
T-2 Scaup	533.6	266.8	24x0.1054	7x0.0703	0.4731	0.4188	0.632 x 1.264	1.035	0.0318	0.0326	0.0390	730	835	0.0333	0.0782	0.5153	
T-2 Partridge	533.6	266.8	26x0.1013	7x0.0788	0.4874	0.4191	0.642 x 1.284	1.050	0.0317	0.0324	0.0388	735	840	0.0339	0.0778	0.5130	
T-2 Junco	533.6	266.8	30x0.0943	7x0.0943	0.5168	0.4190	0.660 x 1.320	1.081	0.0314	0.0321	0.0384	745	855	0.0352	0.0769	0.5086	
T-2 Ostrich	600.0	300.0	26x0.1074	7x0.0835	0.5478	0.4711	0.680 x 1.360	1.113	0.0282	0.0289	0.0345	790	910	0.0360	0.0764	0.5039	
T-2 Merlin	672.8	336.4	18x0.1367	1x0.1367	0.5577	0.5284	0.684 x 1.368	1.119	0.0254	0.0263	0.0313	835	955	0.0354	0.0768	0.5031	
T-2 Trogon	672.8	336.4	20x0.1297	7x0.0576	0.5650	0.5285	0.692 x 1.384	1.132	0.0254	0.0262	0.0313	835	960	0.0361	0.0763	0.5013	
T-2 Woodcock	672.8	336.4	22x0.1237	7x0.0687	0.5807	0.5288	0.701 x 1.402	1.147	0.0253	0.0260	0.0311	840	965	0.0367	0.0760	0.4992	
T-2 Widgeon	672.8	336.4	24x0.1184	7x0.0789	0.5969	0.5285	0.710 x 1.420	1.163	0.0252	0.0259	0.0310	845	975	0.0374	0.0755	0.4971	
T-2 Linnet	672.8	336.4	26x0.1137	7x0.0884	0.6139	0.5280	0.720 x 1.440	1.179	0.0251	0.0258	0.0308	850	980	0.0381	0.0751	0.4950	
T-2 Oriole	672.8	336.4	30x0.1059	7x0.1059	0.6518	0.5285	0.741 x 1.482	1.214	0.0249	0.0255	0.0305	865	995	0.0395	0.0743	0.4904	
T-2 Chickadee	795.0	397.5	18x0.1486	1x0.1486	0.6590	0.6244	0.743 x 1.486	1.216	0.0215	0.0223	0.0266	925	1065	0.0385	0.0749	0.4901	
T-2 Ptarmigan	795.0	397.5	20x0.1410	7x0.0627	0.6678	0.6246	0.752 x 1.504	1.231	0.0215	0.0223	0.0266	930	1070	0.0392	0.0744	0.4881	
T-2 Stork	795.0	397.5	22x0.1344	7x0.0747	0.6856	0.6242	0.762 x 1.524	1.247	0.0214	0.0221	0.0264	935	1080	0.0399	0.0740	0.4862	
T-2 Brant	795.0	397.5	24x0.1287	7x0.0858	0.7054	0.6244	0.772 x 1.544	1.264	0.0213	0.0220	0.0263	940	1085	0.0407	0.0736	0.4840	
T-2 Ibis	795.0	397.5	26x0.1236	7x0.0961	0.7255	0.6239	0.783 x 1.566	1.281	0.0213	0.0219	0.0261	945	1095	0.0414	0.0732	0.4819	
T-2 Lark	795.0	397.5	30x0.1151	7x0.1151	0.7700	0.6243	0.806 x 1.612	1.319	0.0211	0.0216	0.0259	960	1110	0.0430	0.0723	0.4774	
T-2 Pelican	954.0	477.0	18x0.1628	1x0.1628	0.7910	0.7494	0.814 x 1.628	1.333	0.0179	0.0187	0.0223	1035	1200	0.0422	0.0727	0.4758	
T-2 Tailorbird	954.0	477.0	20x0.1544	7x0.0686	0.8007	0.7489	0.823 x 1.646	1.348	0.0180	0.0187	0.0222	1040	1205	0.0429	0.0724	0.4740	
T-2 Toucan	954.0	477.0	22x0.1472	7x0.0818	0.8224	0.7488	0.834 x 1.668	1.366	0.0179	0.0186	0.0221	1045	1215	0.0437	0.0719	0.4719	
T-2 Flicker	954.0	477.0	24x0.1410	7x0.0940	0.8467	0.7495	0.846 x 1.692	1.385	0.0178	0.0184	0.0220	1055	1225	0.0445	0.0715	0.4697	
T-2 Hawk	954.0	477.0	26x0.1354	7x0.1053	0.8707	0.7487	0.858 x 1.716	1.404	0.0177	0.0183	0.0219	1060	1230	0.0454	0.0711	0.4676	
T-2 Hen	954.0	477.0	30x0.1261	7x0.1261	0.9242	0.7493	0.883 x 1.766	1.445	0.0176	0.0181	0.0216	1075	1250	0.0471	0.0702	0.4631	
T-2 Heron	1000.0	500.0	30x0.1291	7x0.1291	0.9687	0.7854	0.904 x 1.808	1.479	0.0168	0.0173	0.0206	1105	1290	0.0482	0.0697	0.4594	
T-2 Nightingale	1034.0	517.0	18x0.1695	1x0.1694	0.8574	0.8123	0.847 x 1.694	1.387	0.0165	0.0174	0.0206	1085	1265	0.0439	0.0718	0.4695	
T-2 Creeper	1034.0	517.0	20x0.1608	7x0.0714	0.8684	0.8123	0.857 x 1.714	1.404	0.0165	0.0173	0.0206	1090	1270	0.0447	0.0714	0.4676	
T-2 Osprey	1113.0	556.5	18x0.1758	1x0.1758	0.9224	0.8738	0.879 x 1.758	1.439	0.0154	0.0162	0.0192	1135	1325	0.0456	0.0710	0.4637	
T-2 Tody	1113.0	556.5	20x0.1668	7x0.0741	0.9344	0.8741	0.890 x 1.780	1.456	0.0154	0.0161	0.0192	1140	1330	0.0464	0.0706	0.4619	
T-2 Sapsucker	1113.0	556.5	22x0.1590	7x0.0883	0.9594	0.8736	0.901 x 1.802	1.475	0.0153	0.0160	0.0190	1150	1340	0.0472	0.0702	0.4599	
T-2 Parakeet	1113.0	556.5	24x0.1523	7x0.1015	0.9877	0.8744	0.914 x 1.828	1.496	0.0152	0.0159	0.0189	1160	1350	0.0481	0.0697	0.4577	
T-2 Dove	1113.0	556.5	26x0.1463	7x0.1138	1.0170	0.8741	0.927 x 1.854	1.517	0.0152	0.0158	0.0188	1165	1360	0.0490	0.0693	0.4555	
T-2 Eagle	1113.0	556.5	30x0.1362	7x0.1362	1.0780	0.8742	0.953 x 1.906	1.561	0.0151	0.0156	0.0185	1180	1385	0.0508	0.0685	0.4510	
T-2 Kittiwake	1192.0	596.0	18x0.1820	1x0.1820	0.9886	0.9366	0.910 x 1.820	1.490	0.0144	0.0152	0.0180	1185	1385	0.0472	0.0702	0.4583	

(1) Code words shown denote ACSR/T-2 with regular-strength Class A Galvanized steel core (GA2). See the Options section to find the appropriate code word modifier designation for alternative design options.
 (2) Based on a conductivity of 61.2% (minimum lot average) IACS at 20°C for aluminum and 8% IACS at 20°C for the steel core. AC resistance for single-layer and three-layer designs approximates the effects of core magnetization. To convert to ohms/mile, multiply by 5.28. To convert to ohms/km, multiply by 3.281.
 (3) Based on a conductor temperature of 75°C at 60 Hz and the following conditions: 25°C ambient temperature, 2 ft/sec crosswind (90° to conductor), 0.5 coefficient of emissivity for a standard conductor and 0.9 for an E3X coated conductor, 0.5 coefficient of absorptivity for a standard conductor and 0.2 for an E3X coated conductor, 30° northern latitude, sea level elevation, 90° azimuth of line (East-West), clear atmosphere, and a date and time of noon on July 1 (resulting in 96.0 W/R² of solar and radiated heat). Actual ampacity will differ based on local conditions. For specific ampacities, please contact your General Cable sales representative.
 (4) Values for inductive reactance and capacitive reactance are expressed in terms of a 1 ft radius.



TransPowr® ACSR/T-2® Bare Overhead Conductor

Aluminum Conductor Steel-Reinforced Concentric-Lay-Stranded Twisted Pair

ACSR/T-2, CONCENTRIC-LAY-STRANDED (MECHANICAL PROPERTIES)

CODE WORD	SIZE AWG OR kcmil	COMPONENT			OUTER AREA SQ. INCHES		OVERALL DIMENSIONS INCHES	EQUIV. DIA. INCHES	APPROX. WEIGHT LB/KFT		RATED STRENGTH LBS
		AWG OR kcmil	STRANDING NO. X DIA. INCHES		TOTAL	AL			TOTAL	AL	
			AL	STEEL							
T-2 Skua	1210.0	605.0	20x0.1739	7x0.0773	1.0160	0.9501	0.928 x 1.856	1.518	1357	1134	33200
T-2 Peacock	1210.0	605.0	24x0.1588	7x0.1059	1.0740	0.9507	0.953 x 1.906	1.560	1553	1136	43100
T-2 Squab	1210.0	605.0	26x0.1525	7x0.1186	1.1040	0.9498	0.966 x 1.932	1.581	1659	1135	48700
T-2 Wood Duck	1210.0	605.0	30x0.1420	7x0.1420	1.1720	0.9502	0.994 x 1.988	1.627	1889	1138	57800
T-2 Teal	1210.0	605.0	30x0.1420	19x0.0852	1.1670	0.9502	0.994 x 1.988	1.627	1874	1138	59900
T-2 Swift	1272.0	636.0	36x0.1329	1x0.1329	1.0270	0.9988	0.930 x 1.860	1.523	1287	1193	27500
T-2 Kingbird	1272.0	636.0	18x0.1880	1x0.1880	1.0550	0.9993	0.940 x 1.880	1.539	1378	1191	31400
T-2 Turacos	1272.0	636.0	20x0.1783	7x0.0792	1.0680	0.9987	0.951 x 1.902	1.556	1426	1192	34900
T-2 Rook	1272.0	636.0	24x0.1628	7x0.1085	1.1290	0.9992	0.977 x 1.954	1.599	1632	1194	45300
T-2 Grosbeak	1272.0	636.0	26x0.1564	7x0.1216	1.1620	0.9990	0.990 x 1.980	1.621	1745	1194	50400
T-2 Scoter	1272.0	636.0	30x0.1456	7x0.1456	1.2320	0.9990	1.019 x 2.038	1.668	1986	1196	60800
T-2 Egret	1272.0	636.0	30x0.1456	19x0.0874	1.2270	0.9990	1.019 x 2.038	1.669	1971	1196	63000
T-2 Siskin	1333.2	666.6	20x0.1826	7x0.0812	1.1200	1.0470	0.974 x 1.948	1.594	1496	1251	36600
T-2 Flamingo	1333.2	666.6	24x0.1667	7x0.1111	1.1830	1.0480	1.000 x 2.000	1.637	1711	1251	47500
T-2 Gannet	1333.2	666.6	26x0.1601	7x0.1245	1.2170	1.0470	1.014 x 2.028	1.660	1829	1251	52800
T-2 Dunlin	1431.0	715.5	20x0.1891	7x0.0840	1.2010	1.1230	1.008 x 2.016	1.651	1604	1341	39200
T-2 Stilt	1431.0	715.5	24x0.1727	7x0.1151	1.2700	1.1240	1.036 x 2.072	1.696	1837	1343	51000
T-2 Starling	1431.0	715.5	26x0.1659	7x0.1290	1.3070	1.1240	1.051 x 2.102	1.720	1964	1344	56700
T-2 Redwing	1431.0	715.5	30x0.1544	19x0.0926	1.3790	1.1230	1.081 x 2.162	1.769	2215	1345	69100
T-2 Coot	1590.0	795.0	36x0.1486	1x0.1486	1.2830	1.2490	1.040 x 2.080	1.703	1609	1492	33500
T-2 Macaw	1590.0	795.0	42x0.1376	7x0.0764	1.3130	1.2490	1.055 x 2.110	1.727	1715	1498	40100
T-2 Turbit	1590.0	795.0	20x0.1994	7x0.0886	1.3350	1.2490	1.063 x 2.126	1.741	1784	1491	43600
T-2 Tern	1590.0	795.0	45x0.1329	7x0.0886	1.3350	1.2480	1.063 x 2.126	1.740	1790	1498	44100
T-2 Puffin	1590.0	795.0	22x0.1901	7x0.1056	1.3710	1.2490	1.077 x 2.154	1.763	1906	1491	49700
T-2 Cuckoo	1590.0	795.0	24x0.1820	7x0.1213	1.4110	1.2490	1.092 x 2.184	1.787	2040	1492	55800
T-2 Condor	1590.0	795.0	54x0.1213	7x0.1213	1.4100	1.2480	1.092 x 2.184	1.787	2048	1500	56300
T-2 Drake	1590.0	795.0	26x0.1749	7x0.1360	1.4530	1.2490	1.108 x 2.216	1.813	2182	1494	63000
T-2 Mallard	1590.0	795.0	30x0.1628	19x0.0977	1.5340	1.2490	1.140 x 2.280	1.866	2464	1495	76900
T-2 Surfbird	1749.0	874.5	20x0.2091	7x0.0929	1.4680	1.3740	1.115 x 2.230	1.825	1961	1640	47500
T-2 Turnstone	1800.0	900.0	20x0.2121	7x0.0943	1.5110	1.4130	1.131 x 2.262	1.852	2019	1687	48300
T-2 Ruddy	1800.0	900.0	45x0.1414	7x0.0943	1.5110	1.4130	1.131 x 2.262	1.852	2027	1696	48900
T-2 Canary	1800.0	900.0	54x0.1291	7x0.1291	1.5970	1.4140	1.162 x 2.324	1.902	2319	1699	63800
T-2 Catbird	1908.0	954.0	36x0.1628	1x0.1628	1.5400	1.4990	1.140 x 2.280	1.866	1931	1791	39500
T-2 Phoenix	1908.0	954.0	42x0.1507	7x0.0837	1.5750	1.4980	1.155 x 2.310	1.891	2058	1797	46800
T-2 Comcrake	1908.0	954.0	20x0.2184	7x0.0971	1.6020	1.4980	1.165 x 2.330	1.907	2140	1789	51200
T-2 Rail	1908.0	954.0	45x0.1456	7x0.0971	1.6020	1.4980	1.165 x 2.330	1.907	2149	1798	51800
T-2 Towhee	1908.0	954.0	48x0.1410	7x0.1097	1.6310	1.4990	1.175 x 2.350	1.924	2248	1799	56900
T-2 Redbird	1908.0	954.0	24x0.1994	7x0.1329	1.6930	1.4990	1.196 x 2.392	1.958	2448	1791	67000
T-2 Cardinal	1908.0	954.0	54x0.1329	7x0.1329	1.6920	1.4980	1.196 x 2.392	1.958	2458	1800	67600
T-2 Canvasback	1908.0	954.0	30x0.1783	19x0.107	1.8400	1.4980	1.248 x 2.496	2.043	2956	1793	92200
T-2 Snowbird	2067.0	1033.5	42x0.1569	7x0.0872	1.7080	1.6240	1.203 x 2.406	1.969	2231	1948	50700
T-2 Ortolan	2067.0	1033.5	45x0.1515	7x0.1010	1.7350	1.6220	1.212 x 2.424	1.984	2327	1947	55400
T-2 Whooper	2067.0	1033.5	48x0.1467	7x0.1141	1.7660	1.6230	1.223 x 2.446	2.001	2433	1948	61600
T-2 Curlew	2067.0	1033.5	54x0.1383	7x0.1383	1.8330	1.6220	1.245 x 2.490	2.038	2662	1949	73300
T-2 Avocet	2226.0	1113.0	42x0.1628	7x0.0904	1.8380	1.7490	1.248 x 2.496	2.043	2401	2097	54100
T-2 Bluejay	2226.0	1113.0	45x0.1573	7x0.1049	1.8700	1.7490	1.259 x 2.518	2.060	2508	2099	59700
T-2 Bullfinch	2226.0	1113.0	48x0.1523	7x0.1185	1.9030	1.7490	1.269 x 2.538	2.078	2622	2099	65600
T-2 Finch	2226.0	1113.0	54x0.1436	19x0.0862	1.9710	1.7490	1.293 x 2.586	2.116	2856	2102	78200

(1) Code words shown denote ACSR/T-2 with regular-strength Class A Galvanized steel core (GA2). See the Options section to find the appropriate code word modifier designation for alternative design options.

(2) Due to rounding, total values may be slightly greater or slightly less than the sum of the component values.

Dimensions and weights not designated minimum or maximum are nominal values and subject to manufacturing tolerances. In this context, weight means mass.

TransPwr® ACSR/T-2® Bare Overhead Conductor

Aluminum Conductor Steel-Reinforced Concentric-Lay-Stranded Twisted Pair

ACSR/T-2, CONCENTRIC-LAY-STRANDED (ELECTRICAL PROPERTIES)

CODE WORD	SIZE AWG OR kcmil	COMPONENT				OUTER AREA SQ. INCHES	OVERALL DIMENSIONS INCHES	EQUIV. DIA. INCHES	RESISTANCE OHMS/KFT			AMPACITY @75°C		GEOMETRIC MEAN RADIUS FT	INDUCTIVE REACTANCE OHM/KFT	CAPACITIVE REACTANCE MEGAOHM/KFT	
		AWG OR kcmil	STRANDING NO. X DIA. INCHES		TOTAL				AL	DC @20°C	AC @25°C	AC @75°C	STD.				E3X®
			AL	STEEL													
T-2 Skua	1210.0	605.0	20x0.1739	7x0.0773	1.0160	0.9501	0.928 x 1.856	1.518	0.0142	0.0149	0.0177	1200	1405	0.0484	0.0696	0.4553	
T-2 Peacock	1210.0	605.0	24x0.1588	7x0.1059	1.0740	0.9507	0.953 x 1.906	1.560	0.0140	0.0147	0.0174	1220	1430	0.0502	0.0688	0.4511	
T-2 Squab	1210.0	605.0	26x0.1525	7x0.1186	1.1040	0.9498	0.966 x 1.932	1.581	0.0140	0.0146	0.0173	1230	1440	0.0511	0.0683	0.4490	
T-2 Wood Duck	1210.0	605.0	30x0.1420	7x0.1420	1.1720	0.9502	0.994 x 1.988	1.627	0.0138	0.0144	0.0171	1245	1460	0.0530	0.0675	0.4445	
T-2 Teal	1210.0	605.0	30x0.1420	19x0.0852	1.1670	0.9502	0.994 x 1.988	1.627	0.0139	0.0144	0.0171	1245	1460	0.0530	0.0675	0.4445	
T-2 Swift	1272.0	636.0	36x0.1329	1x0.1329	1.0270	0.9988	0.930 x 1.860	1.523	0.0136	0.0146	0.0182	1185	1380	0.0483	0.0696	0.4548	
T-2 Kingbird	1272.0	636.0	18x0.1880	1x0.1880	1.0550	0.9993	0.940 x 1.880	1.539	0.0134	0.0143	0.0169	1235	1440	0.0487	0.0695	0.4532	
T-2 Turacos	1272.0	636.0	20x0.1783	7x0.0792	1.0680	0.9987	0.951 x 1.902	1.556	0.0135	0.0142	0.0169	1240	1450	0.0496	0.0690	0.4514	
T-2 Rook	1272.0	636.0	24x0.1628	7x0.1085	1.1290	0.9992	0.977 x 1.954	1.599	0.0133	0.0140	0.0166	1260	1475	0.0514	0.0682	0.4472	
T-2 Grosbeak	1272.0	636.0	26x0.1564	7x0.1216	1.1620	0.9990	0.990 x 1.980	1.621	0.0133	0.0139	0.0165	1265	1485	0.0524	0.0678	0.4450	
T-2 Scoter	1272.0	636.0	30x0.1456	7x0.1456	1.2320	0.9990	1.019 x 2.038	1.668	0.0132	0.0137	0.0163	1285	1510	0.0543	0.0670	0.4405	
T-2 Egret	1272.0	636.0	30x0.1456	19x0.0874	1.2270	0.9990	1.019 x 2.038	1.669	0.0132	0.0137	0.0163	1285	1510	0.0544	0.0669	0.4405	
T-2 Siskin	1333.2	666.6	20x0.1826	7x0.0812	1.1200	1.0470	0.974 x 1.948	1.594	0.0128	0.0136	0.0161	1275	1495	0.0508	0.0685	0.4476	
T-2 Flamingo	1333.2	666.6	24x0.1667	7x0.1111	1.1830	1.0480	1.000 x 2.000	1.637	0.0127	0.0134	0.0159	1295	1520	0.0527	0.0676	0.4435	
T-2 Gannet	1333.2	666.6	26x0.1601	7x0.1245	1.2170	1.0470	1.014 x 2.028	1.660	0.0127	0.0133	0.0158	1305	1530	0.0536	0.0672	0.4414	
T-2 Dunlin	1431.0	715.5	20x0.1891	7x0.0840	1.2010	1.1230	1.008 x 2.016	1.651	0.0120	0.0128	0.0151	1330	1565	0.0526	0.0677	0.4422	
T-2 Stilt	1431.0	715.5	24x0.1727	7x0.1151	1.2700	1.1240	1.036 x 2.072	1.696	0.0119	0.0125	0.0148	1350	1590	0.0546	0.0668	0.4380	
T-2 Starling	1431.0	715.5	26x0.1659	7x0.1290	1.3070	1.1240	1.051 x 2.102	1.720	0.0118	0.0124	0.0147	1360	1605	0.0556	0.0664	0.4358	
T-2 Redwing	1431.0	715.5	30x0.1544	19x0.0926	1.3790	1.1230	1.081 x 2.162	1.769	0.0117	0.0122	0.0145	1380	1630	0.0576	0.0656	0.4314	
T-2 Coot	1590.0	795.0	36x0.1486	1x0.1486	1.2830	1.2490	1.040 x 2.080	1.703	0.0108	0.0119	0.0148	1355	1590	0.0540	0.0671	0.4373	
T-2 Macaw	1590.0	795.0	42x0.1376	7x0.0764	1.3130	1.2490	1.055 x 2.110	1.727	0.0108	0.0118	0.0147	1365	1600	0.0551	0.0666	0.4352	
T-2 Turbit	1590.0	795.0	20x0.1994	7x0.0886	1.3350	1.2490	1.063 x 2.126	1.741	0.0108	0.0116	0.0137	1420	1670	0.0554	0.0665	0.4339	
T-2 Tern	1590.0	795.0	45x0.1329	7x0.0886	1.3350	1.2480	1.063 x 2.126	1.740	0.0108	0.0117	0.0146	1375	1610	0.0557	0.0664	0.4339	
T-2 Puffin	1590.0	795.0	22x0.1901	7x0.1056	1.3710	1.2490	1.077 x 2.154	1.763	0.0107	0.0115	0.0135	1430	1685	0.0564	0.0661	0.4319	
T-2 Cuckoo	1590.0	795.0	24x0.1820	7x0.1213	1.4110	1.2490	1.092 x 2.184	1.787	0.0107	0.0113	0.0134	1440	1700	0.0575	0.0656	0.4298	
T-2 Condor	1590.0	795.0	54x0.1213	7x0.1213	1.4100	1.2480	1.092 x 2.184	1.787	0.0107	0.0115	0.0143	1395	1640	0.0577	0.0656	0.4298	
T-2 Drake	1590.0	795.0	26x0.1749	7x0.1360	1.4530	1.2490	1.108 x 2.216	1.813	0.0106	0.0112	0.0133	1455	1715	0.0586	0.0652	0.4275	
T-2 Mallard	1590.0	795.0	30x0.1628	19x0.0977	1.5340	1.2490	1.140 x 2.280	1.866	0.0105	0.0111	0.0131	1475	1745	0.0608	0.0644	0.4230	
T-2 Surfbird	1749.0	874.5	20x0.2091	7x0.0929	1.4680	1.3740	1.115 x 2.230	1.825	0.00979	0.0107	0.0125	1500	1775	0.0581	0.0654	0.4265	
T-2 Turnstone	1800.0	900.0	20x0.2121	7x0.0943	1.5110	1.4130	1.131 x 2.262	1.852	0.00951	0.0104	0.0122	1525	1805	0.0590	0.0650	0.4242	
T-2 Ruddy	1800.0	900.0	45x0.1414	7x0.0943	1.5110	1.4130	1.131 x 2.262	1.852	0.00956	0.0105	0.0130	1480	1745	0.0593	0.0649	0.4242	
T-2 Canary	1800.0	900.0	54x0.1291	7x0.1291	1.5970	1.4140	1.162 x 2.324	1.902	0.00948	0.0103	0.0127	1505	1775	0.0614	0.0641	0.4200	
T-2 Catbird	1908.0	954.0	36x0.1628	1x0.1628	1.5400	1.4990	1.140 x 2.280	1.866	0.00903	0.0102	0.0125	1510	1780	0.0592	0.0650	0.4231	
T-2 Phoenix	1908.0	954.0	42x0.1507	7x0.0837	1.5750	1.4980	1.155 x 2.310	1.891	0.00904	0.0101	0.0124	1525	1795	0.0604	0.0645	0.4209	
T-2 Corncrake	1908.0	954.0	20x0.2184	7x0.0971	1.6020	1.4980	1.165 x 2.330	1.907	0.00897	0.00987	0.0116	1580	1870	0.0607	0.0644	0.4196	
T-2 Rail	1908.0	954.0	45x0.1456	7x0.0971	1.6020	1.4980	1.165 x 2.330	1.907	0.00902	0.00998	0.0123	1530	1810	0.0610	0.0643	0.4196	
T-2 Towhee	1908.0	954.0	48x0.1410	7x0.1097	1.6310	1.4990	1.175 x 2.350	1.924	0.00899	0.00989	0.0122	1540	1820	0.0618	0.0640	0.4182	
T-2 Redbird	1908.0	954.0	24x0.1994	7x0.1329	1.6930	1.4990	1.196 x 2.392	1.958	0.00889	0.00961	0.0113	1610	1910	0.0630	0.0635	0.4154	
T-2 Cardinal	1908.0	954.0	54x0.1329	7x0.1329	1.6920	1.4980	1.196 x 2.392	1.958	0.00895	0.00973	0.0120	1560	1845	0.0632	0.0635	0.4155	
T-2 Canvasback	1908.0	954.0	30x0.1783	19x0.107	1.8400	1.4980	1.248 x 2.496	2.043	0.00879	0.00932	0.0110	1645	1965	0.0666	0.0623	0.4088	
T-2 Snowbird	2067.0	1033.5	42x0.1569	7x0.0872	1.7080	1.6240	1.203 x 2.406	1.969	0.00834	0.00941	0.0115	1595	1890	0.0628	0.0636	0.4146	
T-2 Ortolan	2067.0	1033.5	45x0.1515	7x0.1010	1.7350	1.6220	1.212 x 2.424	1.984	0.00833	0.00933	0.0114	1605	1900	0.0635	0.0634	0.4134	
T-2 Whooper	2067.0	1033.5	48x0.1467	7x0.1141	1.7660	1.6230	1.223 x 2.446	2.001	0.00831	0.00923	0.0113	1615	1915	0.0643	0.0631	0.4121	
T-2 Curlew	2067.0	1033.5	54x0.1383	7x0.1383	1.8330	1.6220	1.245 x 2.490	2.038	0.00826	0.00907	0.0112	1635	1940	0.0658	0.0625	0.4092	
T-2 Avocet	2226.0	1113.0	42x0.1628	7x0.0904	1.8380	1.7490	1.248 x 2.496	2.043	0.00774	0.00886	0.0108	1665	1975	0.0652	0.0627	0.4088	
T-2 Bluejay	2226.0	1113.0	45x0.1573	7x0.1049	1.8700	1.7490	1.259 x 2.518	2.060	0.00772	0.00876	0.0107	1675	1990	0.0659	0.0625	0.4075	
T-2 Bullfinch	2226.0	1113.0	48x0.1523	7x0.1185	1.9030	1.7490	1.269 x 2.538	2.078	0.00771	0.00867	0.0106	1690	2005	0.0667	0.0622	0.4062	
T-2 Finch	2226.0	1113.0	54x0.1436	19x0.0862	1.9710	1.7490	1.293 x 2.586	2.116	0.00767	0.00850	0.0104	1710	2035	0.0683	0.0617	0.4033	

(1) Code words shown denote ACSR/T-2 with regular-strength Class A Galvanized steel core (IGA2). See the Options section to find the appropriate code word modifier designation for alternative design options.
 (2) Based on a conductivity of 61.2% (minimum lot average) IACS at 20°C for aluminum and 8% IACS at 20°C for the steel core. AC resistance for single-layer and three-layer designs approximates the effects of core magnetization. To convert to ohms/mile, multiply by 5.28. To convert to ohms/km, multiply by 3.281.
 (3) Based on a conductor temperature of 75°C at 60 Hz and the following conditions: 25°C ambient temperature, 2 ft/sec crosswind (90° to conductor), 0.5 coefficient of emissivity for a standard conductor and 0.9 for an E3X coated conductor, 0.5 coefficient of absorptivity for a standard conductor and 0.2 for an E3X coated conductor, 30° northern latitude, sea level elevation, 90° azimuth of line (East-West), clear atmosphere, and a date and time of noon on July 1 resulting in 96.0 W/ft² of solar and radiated heat. Actual ampacity will differ based on local conditions. For specific ampacities, please contact your General Cable sales representative.
 (4) Values for inductive reactance and capacitive reactance are expressed in terms of a 1 ft radius.

