



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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Royal® 300V SJTOW

Royal® 600V STOW

Construction Parameters:

CONDUCTOR: 18 AWG - 10 AWG stranded bare copper per ASTM B-174
INSULATION: PVC
COLOR CODE: ICEA Method 1, Table E-1
JACKET: PVC
COLOR: Black (Other colors available upon request)
PRINT LEGEND: SOUTHWIRE® ROYAL® CORD X/C XX AWG (X.XXmm²) SJTOW E46194 (PLANT ID CODE) (UL) 300V 60C -- CSA LL90458 SJTOW 300V 60C FT2 WATER-RESISTANT

PRINT LEGEND: SOUTHWIRE® ROYAL® CORD X/C XX AWG (X.XXmm²) STOW E46194 (PLANT ID CODE) (UL) 600V 60C -- CSA LL90458 STOW 600V 60C FT2 WATER-RESISTANT

Ink Jet Legend: XX/XX/XX (MONTH/DAY/YEAR) HH:MM (HOUR/MINUTE)
Extra Marking: **Part Number 20125 has the additional marking.

PHYSICAL PROPERTIES:

TEMPERATURE RANGE: -20°C to 60°C
WATER RESISTANT: Yes

ELECTRICAL PROPERTIES:

VOLTAGE RATING: SJTOW 300V rms, Max
VOLTAGE RATING: STOW 600V rms, Max

Industry Approvals:

- o UL Standard 62
- o CSA Standard C22.2 No. 49
- o MSHA
- o EPA 40 CFR, Part 26, Subpart C, heavy metals per Table 1, TCLP method

Part Number	AWG	No. Cond.	Stranding	Insulation Wall, Nom.		Jacket Wall, Nom.		O.D., Nom.		Net Weight		Amps*	Nom. DCR Ω/1M'
				Inches	mm	Inches	mm	Inches	mm	Lb./kft.	kg/km		
SJTOW													
20125**	18	2	16/30	0.030	0.76	0.030	0.76	0.286	7.26	45	67	10	6.40
20135	18	3	16/30	0.030	0.76	0.030	0.76	0.305	7.75	51	76	10	6.40
20145	18	4	16/30	0.030	0.76	0.030	0.76	0.330	8.38	63	94	7	6.40
20126	16	2	26/30	0.030	0.76	0.030	0.76	0.330	8.38	55	82	13	4.12
20136	16	3	26/30	0.030	0.76	0.030	0.76	0.330	8.38	63	94	13	4.12
20146	16	4	26/30	0.030	0.76	0.030	0.76	0.355	9.02	76	113	10	4.12
20127	14	2	41/30	0.030	0.76	0.030	0.76	0.343	8.71	61	91	18	2.64
20137	14	3	41/30	0.030	0.76	0.030	0.76	0.365	9.27	83	124	18	2.64
20147	14	4	41/30	0.030	0.76	0.030	0.76	0.395	10.03	103	153	15	2.64
20128	12	2	65/30	0.030	0.76	0.045	1.14	0.415	10.54	98	146	25	1.66
20138	12	3	65/30	0.030	0.76	0.045	1.14	0.430	10.92	123	183	25	1.66
20148	12	4	65/30	0.030	0.76	0.045	1.14	0.470	11.94	156	232	20	1.66
20129	10	2	104/30	0.045	1.14	0.060	1.52	0.549	13.94	164	244	30	1.05
20139	10	3	104/30	0.045	1.14	0.060	1.52	0.575	14.61	212	315	30	1.05
20149	10	4	104/30	0.045	1.14	0.060	1.52	0.630	16.00	269	400	25	1.05
20159	10	5	104/30	0.045	1.14	0.060	1.52	0.715	18.16	341	507	20	1.05
STOW													
20025	18	2	16/30	0.030	0.76	0.060	1.52	0.345	8.76	59	88	10	6.40
20035	18	3	16/30	0.030	0.76	0.060	1.52	0.366	9.30	77	115	10	6.40
20045	18	4	16/30	0.030	0.76	0.060	1.52	0.930	23.62	81	121	7	6.40
20026	16	2	26/30	0.030	0.76	0.060	1.52	0.370	9.40	71	106	13	4.12
20036	16	3	26/30	0.030	0.76	0.060	1.52	0.390	9.91	83	124	13	4.12
20046	16	4	26/30	0.030	0.76	0.060	1.52	0.415	10.54	101	150	10	4.12
20027	14	2	41/30	0.045	1.14	0.080	2.03	0.505	12.83	123	183	18	2.64
20037	14	3	41/30	0.045	1.14	0.080	2.03	0.525	13.34	148	220	18	2.64
20047	14	4	41/30	0.045	1.14	0.080	2.03	0.565	14.35	178	265	15	2.64
20028	12	2	65/30	0.045	1.14	0.095	2.41	0.565	14.35	163	243	25	1.66

20038	12	3	65/30	0.045	1.14	0.095	2.41	0.595	15.11	198	295	25	1.66
20048	12	4	65/30	0.045	1.14	0.095	2.41	0.645	16.38	242	360	20	1.66
20029	10	2	104/30	0.045	1.14	0.095	2.41	0.620	15.75	207	308	30	1.05
20039	10	3	104/30	0.045	1.14	0.095	2.41	0.655	16.64	254	378	30	1.05
20049	10	4	104/30	0.045	1.14	0.095	2.41	0.705	17.91	317	472	25	1.05
20259	10	5	104/30	0.045	1.14	0.095	2.41	0.765	19.43	377	561	20	1.05

Note: All dimensions & weights are nominal subject to industry standards and tolerances unless otherwise noted.

** Part number 20125 has the CE marking in the legend.

* Ampacity based on NEC Table 400.5(A) and CEC Table 12.

This product complies with European Directive 2011/65/EU (RoHS-2)

The customer will accept all factory lengths and +/- 10 percent of total order requested.

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