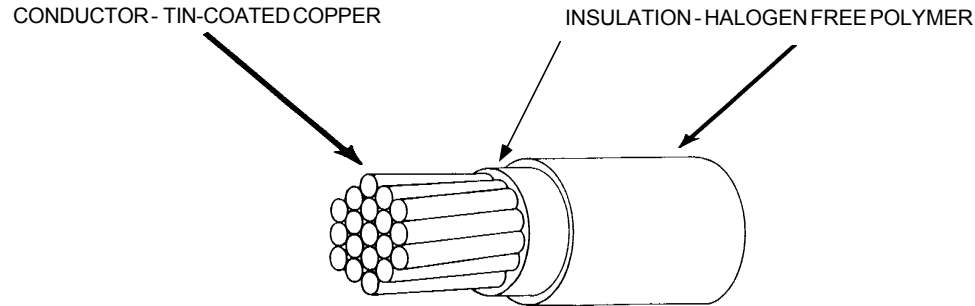


SPECIFICATION CONTROL DRAWING

100A0111

TITLE WIRE, HALOGEN FREE, INSULATED, 600 VOLT, 125°C	Date 04-04-02	Revision 7
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This specification sheet forms a part of the latest issue of Raychem Specification WCD 3107.



CONSTRUCTION DETAILS

PART NUMBER	WIRE SIZE (AWG)	CONDUCTOR STRANDING (number x AWG)	CONDUCTOR DIAMETER						FINISHED WIRE									
			LOWER SPEC LIMIT		UPPER SPEC LIMIT		MINIMUM INSULATION THICKNESS		MAXIMUM RESISTANCE AT 20°C ohms		DIAMETER			MAXIMUM WEIGHT				
			in.	mm	in.	mm	in.	mm	/kft	/km	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT					
100A0111-24-*	24	19 x 36	.022	.55	.025	.63	.008	.20	25.7	84.32	.043	1.09	.045	1.14	.047	1.19	lbs/kft	kg/km
100A0111-22-*	22	19 x 34	.029	.735	.031	.79	.008	.20	15.9	52.2	.050	1.26	.051	1.29	.052	1.33	3.34	4.98
100A0111-20-*	20	19 x 32	.037	.94	.040	1.01	.008	.20	9.9	32.4	.057	1.46	.059	1.50	.061	1.54	4.98	7.42
100A0111-18-*	18	19 x 30	.046	1.17	.050	1.26	.008	.20	6.2	20.4	.067	1.69	.069	1.74	.071	1.79	7.31	10.89
100A0111-16-*	16	19 x 29	.052	1.321	.054	1.37	.008	.20	4.8	15.8	.072	1.84	.074	1.89	.076	1.94	9.19	13.70
100A0111-14-*	14	19 x 27	.065	1.65	.070	1.79	.008	.20	3.1	10.0	.089	2.27	.092	2.33	.094	2.39	14.45	21.53
100A0111-12-*	12	37 x 28	.082	2.08	.088	2.24	.010	.25	2.0	6.63	.107	2.71	.110	2.78	.113	2.86	21.03	31.33
100A0111-10-*	10	37 x 26	.106	2.69	.111	2.83	.010	.25	1.3	4.13	.131	3.33	.135	3.42	.138	3.51	33.27	49.58

PART NUMBER:
 The "*" in the part numbers above shall be replaced by color code designators.
 Example: AWG 22, white: 100A0111-22-9

COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681.

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
 REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

Raychem

300 Constitution Drive
 Menlo Park, California 94025
 1-800-2 Raychem Fax: 1-650-361-6297