



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# SPECIFICATION CONTROL DRAWING

10405

TITLE

SPECIAL PURPOSE POWER CABLE,  
DOUBLE-INSULATED, 600 VOLT

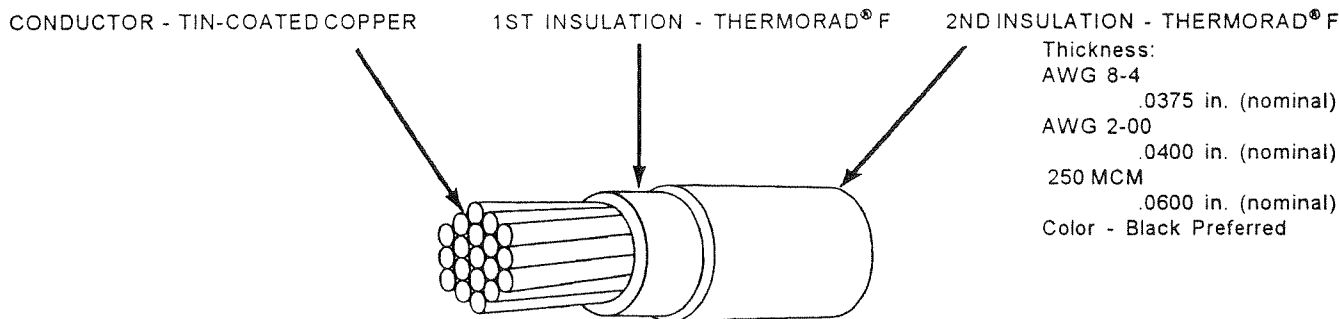
Date

9-15-98

Revision

N

This specification sheet forms a part of the latest issue of Raychem Specification WCD 3000.



## CONSTRUCTION DETAILS

PART NUMBER	WIRE SIZE (AWG)	CONDUCTOR STRANDING (number x AWG)	MAXIMUM DIAMETER OF STRANDED CONDUCTOR (in.)	FINISHED WIRE		
				MAXIMUM RESISTANCE AT 20°C (ohms/1000 ft)	DIAMETER (in.)	NOMINAL WEIGHT (lbs/1000 ft)
10405-8-*	8	133 x 29	.176	.701	.280 ± .008	71.3
10405-6-*	6	133 x 27	.218	.445	.324 ± .010	106.
10405-4-*	4	133 x 25	.272	.280	.380 ± .011	162.
10405-2-*	2	665 x 30	.345	.183	.466 ± .014	254.
10405-0-*	0	1045 x 30	.432	.116	.560 ± .017	397.
10405-00-*	00	1330 x 30	.504	.091	.616 ± .018	513.
10405-250-*	250	2499 x 30	.716	.043	.932 ± .028	954.

## ADDITIONAL REQUIREMENTS

ACCELERATED AGING: 225°C for 4 hours, outer insulation only, tensile strength and elongation retention 50% (minimum) of original values

CONCENTRICITY: 70% (each layer)

INSULATION (JACKET FLAWS): Spark Test, 3.0 kV (rms), 60 Hz

INSULATION ELONGATION AND TENSILE STRENGTH:

Tensile Strength, 2000 lbf/in<sup>2</sup> (minimum),

Elongation, 300% (minimum), Each insulation shall be tested individually for Tensile Strength and Elongation.

PART NUMBER: The "\*" in the part numbers above shall be replaced with a color code designator. Example: AWG 8, black insulation; 10405-8-0

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

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL

**Raychem**

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