

CABLE CONSTRUCTION DETAILS							
PART NUMBER <u>1</u> /	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	(lbs/1000 ft.)
55AC1833-26-*	26	38	.006	.008	.119	.125	12.6
55AC1833-24-*	24	38	.006	.008	.130	.137	15.2
55AC1833-22-*	22	38	.006	.008	.141	.150	18.9
55AC1833-20-*	20	38	.006	.008	.158	.167	25.0
55AC1833-18-*	18	38	.006	.008	.184	.193	34.3
55AC1833-16-*	16	38	.006	.008	.199	.212	41.5
55AC1833-14-*	14	38	.007	.009	.238	.252	60.6
55AC1833-12-*	12	38	.007	.009	.275	.291	85.0
55AC1833-10-*	10	38	.008	.010	.326	.348	126.
55AC1833-8-*	8	36	.009	.011	.464	.487	238.
55AC1833-6-*	6	34	.010	.012	.571	.602	359.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C Maximum continuous conductor temperature VOLTAGE RATING: 600 volts (rms) at sea level ACCELERATED AGING: 300 ± 3°C for 7 hours BLOCKING: 200 ± 3°C for 6 hours DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz FLAMMABILITY (Procedure 1): 3 seconds (maximum); 3 in. (maximum); no flaming of facial tissue JACKET COLOR: White preferred JACKET COLOR: White preferred JACKET ELONGATION AND TENSILE STRENGTH: Elongation, 50% (minimum) Tensile Strength, 5000 lbf/in² (minimum) JACKET FLAWS: Spark Test, 1000 volts (rms) Impulse Dielectric Test, 6.0 kV (peak)

NOTE: Nominal values are for information only. Nominal values are not requirements. LIFE CYCLE: 230 ± 3°C for 500 hours LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours SHIELD COVERAGE: 90% (minimum) VOLTAGE WITHSTAND (Post Environmental): 1000 volts (rms), 60 Hz, 1 minute

PART NUMBER:

The "*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color. Colors shown do not necessarily reflect the sequence of manufacturing.

1/ Example: AWG 20, black, brown and red component wires; white jacket: 55AC1833-20-0/1/2-9

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics Corporation also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer. 1/ COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681. HOWEVER, DUE TO LENGTH LIMITATIONS OF THE RAYCHEM PART NUMBER, AN ALTERNATIVE COLOR CODE MAY REPLACE MIL-STD-681 COLOR CODE DESIGNATORS. (EXAMPLE: "901/902..." MAY BE REPLACED BY "Axxx".) OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER. Raychem, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks Ravchem Wire & Cable 501 Oakside Avenue DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL. Redwood City, CA 94063-3800 Page 1 of 1 Phone: 1-800-227-8816 THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. connectivity Fax: 1-650-361-6297 REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.