



Page

## FLDW+0311

TABLE II. PERFORMANCE DETAILS		
PART NUMBER <u>1</u> /	CROSSLINK VERIFICATION - BEND TESTING	
	MANDREL DIAMETER (inch) ( <i>mm</i> ) (± 3%)	WEIGHT (lb) <i>(kg)</i> (± 3%)
FLDWC0311-26-*	.500 (12.7)	.375 (.170)
FLDWC0311-24-*	.500 (12.7)	.375 (.170)
FLDWC0311-22-*	.750 (19.1)	.375 (.170)
FLDWC0311-20-*	.750 (19.1)	.500 <i>(.227)</i>
FLDWC0311-18-*	1.00 (25.4)	.500 <i>(.227)</i>
FLDWC0311-16-*	1.00 (25.4)	1.00 <i>(.454)</i>
FLDWC0311-14-*	1.50 (38.1)	1.00 <i>(.454)</i>
FLDWC0311-12-*	2.00 (50.8)	1.50 <i>(.680)</i>
FLDWD0311-12-*	2.00 (50.8)	1.50 <i>(.680)</i>
FLDWD0311-10-*	3.00 (76.2)	2.00 (.907)
FLDWE0311-8-*	3.00 (76.2)	3.00 (1.36)

## WIRE RATINGS AND ADDITIONAL REQUIREMENTS

**TEMPERATURE RATING: 125°C** THERMAL STABILITY: 158°C for 168 hours VOLTAGE RATING: 600 volts (rms) at sea level Elongation Retention, 70% (minimum) CROSSLINK VERIFICATION: 300 ± 3°C for 1 hour Tensile Strength Retention, 70% (minimum) VOLTAGE WITHSTAND (Post Environmental): 2500 volts (rms), 60 Hz, 5 minutes FLAME RATING: VW-1 INSULATION ELONGATION AND TENSILE STRENGTH: Primary Insulation, 1/ PART NUMBER: Elongation, 150% (minimum) Tensile Strength, 2500 lbf/in<sup>2</sup> (*17.2 MPa*) (minimum) The "+" in the part number in the upper right hand corner of pages 1 and 2 shall be replaced with a letter designator to define conductor stranding (see part INSULATION FLAWS: numbers in Tables I and II). C = 19 Strands Finished Wire. D = 37 Strands E = Rope Lay Spark Test, 6.0 kV (rms) Impulse Dielectric Test, 8.0 kV (peak) The "\*" in the part numbers in Tables I and II shall be replaced by a color code INSULATION THICKNESS: designator. Primary Insulation. Example: AWG 18, 19 strands, white: FLDWC0311-18-9 .004 inch (.102 mm) (minimum), .005 inch (.127 mm) (minimum average) AWG 18, 19 strands, white with a black stripe: FLDWC0311-18-90 Jacket. .002 inch (.051 mm) (minimum) for AWGs 12 and smaller Jacket, .004 inch (.102 mm) (minimum) for AWGs 10 and larger SHRINKAGE: 125°C for 1 hour, 0.125 in. ( 3.18 mm) (maximum) per end All spool/reel labels shall include the following: "Reinforced Insulation"

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