	SPECIFICATION CONTROL DRAWING)	WXA-010	
	ANTI-CAPILLARY TRANSMISSION CABLE, Date RADIATION-CROSSLINKED, MODIFIED FLUOROPOLYMER-INSULATED, 600 VOLT								e 2-3-15	Revision D
	This specification sheet forms a part of							ication 63.		_
с	CONDUCTOR - TIN-COATED COPPER, SILICONE BLOCKED					3)		NSULATION - RA	ADIATION-CROSS ODIFIED FLUORC	,
		WIRE	CONDUCTOR STRANDING	CONDUCTO (inch)	R DIAMETER					
PAR	PART NUMBER <u>1</u> /	SIZE (AWG)	(number x SEOD) (inch) <i>(mm)</i>	LOWER SPEC LIMIT	UPPER SPEC LIMIT	RESISTANCE AT 20°C (ohms/1000 ft.) <i>(ohms/km)</i>	LOWER SPEC LIMIT	(inch) <i>(mm)</i> TARGET VALUE	UPPER SPEC LIMIT	NOMINAL WEIGHT (lbs/1000 ft.) <i>(kg/km)</i>
WX	A-0101-22-*	22	7 x .0100 <i>(.254)</i>	.028 (.711)	.032 (.813)	16.0 (52.5)	.059 (1.50)	.062 (1.57)	.065 (1.65))	4.1 (6.10)
WX	A-0101-20-*	20	7 x .0126 <i>(.320)</i>	.036 (.914)	.040 (1.02)	10.2 (33.5)	.067 (1.70)	.070 (1.78)	.073 (1.85)	5.7 (8.48)
WX	A-0101-18-*	18	7 x .0159 <i>(.404)</i>	.046 (1.17)	.050 (1.27)	6.49 (21.3)	.078 (1.98)	.080 (2.03)	.082 (2.08)	8.3 (12.4)
WX	A-0101-16-*	16	7 x .0192 <i>(.488)</i>	.056 (1.42)	.060 (1.52)	4.28 (14.0)	.086 (2.18)	.090 (2.29)	.094 (2.39)	11.2 (16.7)
					of this product for t	noir annliantian - Sa - 14				
			Users should evalue poration also reserves the <u>1/ COLORS SHALL BE IN</u> JFFIXES MAY BE ADDED	e right to make char ACCORDANCE WIT	nges in materials o H SAE J1128. COL	OR CODE DESIGNATOR	not affect compliance	with any specification, RDANCE WITH SPEC 6	without notification to B	
			Dexron, Raychem	n, TE Connectivity,	TE connectivity (log	go), and TE (logo) are t	rademarks.			Raychem Wire & Cable

DIMENSIONS ARE IN INCHES AND, UNLESS OTHERWISE DESIGNATED, ARE NOMINAL. THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

Redwood City, CA 94063-3800 Phone: 1-800-227-8816 Fax: 1-650-361-6297 connectivity

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TABLE II. PERFORMANCE DETAILS									
	HEAT RESISTANC	E - BEND TESTING	DYNAMIC CUT-THROUGH						
PART NUMBER	MANDREL DIAMETER	WEIGHT	(lb) <i>(kg)</i> (minimum)						
<u>1</u> /	(inch) <i>(mm)</i> (± 3%)	(lb) <i>(kg)</i> (± 3%)	INITIAL	AFTER IMMERSION					
WXA-0101-22-*	1.25 <i>(31.8)</i>	.250 <i>(.113)</i>	TBD	TBD					
WXA-0101-20-*	1.25 <i>(31.8)</i>	.250 <i>(.113)</i>	TBD	TBD					
WXA-0101-18-*	1.50 (38.1)	.375 <i>(.170)</i>	TBD	TBD					
WXA-0101-16-*	1.50 (38.1)	.375 <i>(.170)</i>	TBD	TBD					

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

VOLTAGE RATING: 600 volts (dc) at sea level CONCENTRICITY: 70% (minimum) CROSSLINK PROOF TEST: Per QC/3/117 FLAMMABILITY: 70 seconds (maximum) afterburn FLUID TIGHTNESS: No evidence of leakage after 5 minutes of pressurization HEAT RESISTANCE: 150 ± 2°C for 1 hour no cracking, no dielectric breakdown INSULATION ELONGATION AND TENSILE STRENGTH: (Pulled at 2 inches (51 mm) per minute) Elongation, 150% (minimum) Tensile Strength, 3000 lbf/in² (20.7 N/mm²) (minimum) INSULATION FLAWS: Impulse Dielectric Test, 6.0 kV (peak) INSULATION RESISTANCE: 1000 kohms for 1000 ft. (305 kohms for 1 km) (minimum) LOW TEMPERATURE-COLD BEND: -55 ± 3°C for 4 hours SHRINKAGE: 0.050 inch (1.27 mm) (maximum) STRIP FORCE: 4.5 lbs (2.04 kg) (minimum) THERMAL STABILITY: Short Term, 200 ± 3°C for 168 hours Elongation Retention, 80% (minimum) Tensile Strength Retention, 80% (minimum) TRANSMISSION FLUID RESISTANCE: Dexron VI. 150 ± 2°C for 720 hours Diameter Swell, 5% (maximum) Mandrel Wrap, 1x diameter mandrel, no dielectric breakdown Dynamic Cut-Through, see Table II VOLTAGE WITHSTAND (Post Environmental): 1000 volts (rms), 60 Hz, 1 minute

1/ PART NUMBER:

The "*" in the part numbers in Tables I and II shall be replaced by a color code designator. Example: AWG 18, dark blue: WXA-0101-18-6D