INSULATION: HIGH DEN PAIRS: COLOR C CABLE: (4) TWIST POLYEST SHIELD: AN ALUM WITH A 26 WITH ME ⁻ JACKET: POLYURE (PRESSU 2) PHYSICAL PROPERTIES: TEMPERATURE RATING, TEMPERATURE RATING, WT./M', NOM., NET. UV RESISTANT JACKET CHART 1: QUABBIN P/N JACKET CHART 1: QUABBIN P/N JACKET 5710 BL 5711 BI 5712 T 3) ELECTRICAL CHARACTERIST SEE PAGE 2 4) AGENCY APPROVALS: EU CE MARK: MEETS EU 5) APPLICATION:	N40°C 22.7 LBS.	.170" AGE) NTACT E CORE176" XKNESS 220" NOM. .227" MAX. (BY PI TAPE)
	CKET, ALL OTHERS BLACK INK) ME DURABLE INDUSTRIAL ETHERNET PATCH CORD (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)	BROWN X ITE/BROWN BLUE X WHITE/BLUE WHITE/BLUE WHITE/BLUE CRANGE X ITE/GREEN WHTE/ORANGE X ITE/GREEN WHTE/ORANGE

3) ELE	CTRICAL CHARACTERISTICS: POE COMPLIANT TO 68 METERS WHEN			QWC0042				
	CABLE WILL MEET CAT SE CHANNEL RE CAPACITANCE, MUTUAL, NOM. DIELECTRIC WITHSTANDING, MIN. VOLTAGE RATING, MAX. D.C. RESISTANCE, MAX.	. REQUIREMENTS TO 68 METER LENGTH 13.5 PF/FT AT 1 MHz 1500V RMS 300V 42.6 Ω/1000'						
	NOTE: TESTING FOR THE FOLLOWING IS CONDUCTED OFF THE REEL. (FOR 100m OF CABLE)							
	IMPEDANCE	100+/- 15 Ω 1-100 MHz						
	RETURN LOSS	10 ≤ <i>f</i> < 20 MHz	20 + 5 LOG(<i>f</i>) dB MIN 25 dB MIN 25 - 8.6 LOG(<i>f</i> /20) dB MIN					
	PS NEXT	1 ≤ <i>f</i> ≤ 100 MHz	32.3 - 15 LOG(ƒ/100) dB MIN					
	NEXT	1 ≤ <i>f</i> ≤ 100 MHz	35.3 - 15 LOG(ƒ/100) dB MIN					
	PSACRF	1 ≤ <i>f</i> ≤ 100 MHz	20.8 - 20 LOG(<i>f</i> /100) dB MIN					
	ACRF	1 ≤ <i>f</i> ≤ 100 MHz	23.8 - 20 LOG(<i>f</i> /100) dB MIN					
	INSERTION LOSS	1 ≤ <i>f</i> ≤ 100 MHz	1.5[1.967 √f + 0.023(f) + 0.050/√f dB MAX					
	DELAY	1 ≤ <i>f</i> ≤ 100 MHz	534 + 36/ \sqrt{f} ns MAX					
	DELAY SKEW	1 ≤ <i>f</i> ≤ 100 MHz	< 25ns					
	LCL	1 ≤ <i>f</i> ≤ 100 MHz	-38dB MIN					
	VELOCITY OF PROPAGATION	68%						

		Created 8/20/12 DRAW REV. 03 CHEC	700		BBIN®
		TITLE			
CUSTOMER APPROVAL:	DATE:	DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CABLE – 4 PR SCREENED			
		DRAWING #	0WC0	042	2 of 2

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