	1) CONSTRUCTION: CONDUCTOR: INSULATION: PAIRS:	HIGH DENSITY POLYETHYLENE, .0	09" NOM. WALL THIC	CKNESS	NOM. DIA. .019" .036" .072"	5919	
	CABLE:	COLOR CODED SINGLES TWISTED INTO PAIRS (4) TWISTED PAIRS TWISTED TOGETHER WITH A CENTRAL SPLINE AND			.072	0 U	
	SHIELDS:	WRAPPED WITH A FOAM POLYPRO AN OVERALL SHIELD OF 38 AWG T COVERAGE) SHALL BE APPLIED O	DPYLENE TAPE TO F INNED COPPER BR/ VER THE CABLE CO	FORM A CABLE CORE. AID (80% MINIMUM RE. AN ALUMINIZED	.176"		
	JACKET:	POLYESTER FOIL SHIELD (FOIL IN, THE BRAID SHIELD. POLYURETHANE, BLACK, .022" NO (PRESSURE)	M. WALL THICKNES		.195" .239" NOM. (± .010	0")	
		ES: RATING, MAX. RATING, MIN. ET. RESISTANT CTERISTICS: S: NT MATERIALS. MAX EXTREME HIGH FLEX INDUSTF (LOT DESIGNATOR) (SEQUENTIAL F E/BLUE /HITE/ORANGE ITE/GREEN	75°C -40°C 32.6 LBS.		(BY PI TAPE)	ן"ן	
	8) PACKAGING: TO BE PACKAG STANDARD PAC	ED AS PER QWC'S CKAGING					
		SHIELD WHT/BRN X WHT/BLU X					
		BRAID SPLINE			BLU		
			PAIR WHT/GRN X GRN WHT/ORG				
			FOAM TAPE				
				Created BMD 06/05/13 DRAWN: 07/09/13		NR	
				REV. 02 CHECKED: 07/10/13	WIRE & CABL		
	CUSTOMER APPROVAL:		DATE:	4PR. SF/UTP HIGH FLE ETHERNET PATCH COI		a	
1				QUABBIN P/N 591	9 1 c	of 2	

3) ELECTRICAL CHARACTERISTICS: (FOR 100m OF C CAPACITANCE, MUTUAL, NOM. DIELECTRIC WITHSTANDING, MIN VOLTAGE RATING, MAX. D.C. RESISTANCE, MAX.	ABLE) 13.5 PF/FT. AT 1 MHz 1500V RMS 300V 14.0 Ω		5919
IMPEDANCE, NOM.	100 ± 15 Ω 1 - 100 MH 100 ± 20 Ω 100 - 500 M		
RETURN LOSS	$10 \le f < 20 \text{ MHz}$	20 + 5 LOG(<i>f</i>) dB MIN 25 dB MIN 25 – 8.6 LOG(<i>f</i> /20) dB MIN	
PSNEXT	$1 \le f \le 500 \text{ MHz}$	42.3 - 15 LOG (<i>f</i> /100) dB MIN	
NEXT	$1 \le f \le 500 \text{ MHz}$	44.3 - 15 LOG (<i>f</i> /100) dB MIN	
PS ACRF	$1 \le f \le 500 \text{ MHz}$	24.8 - 20 LOG(<i>f</i> /100) dB MIN	
ACRF	$1 \le f \le 500 \text{ MHz}$	27.8 - 20 LOG(<i>f</i> /100) dB MIN	
INSERTION LOSS	1 ≤ <i>f</i> ≤ 500 MHz	1.5[1.82 \sqrt{f} + 0.0091(f) + 0.25/ \sqrt{f}] dB MAX	
DELAY	$1 \le f \le 500 \text{ MHz}$	534 + 36/SQRT(<i>f</i>) ns MAX	
DELAY SKEW	$1 \le f \le 500 \text{ MHz}$	<25 ns	
TCL	$1 \le f \le 500 \text{ MHz}$	30 - 10 LOG(<i>f</i> /100) dB MIN	
ELTCTL	$1 \le f \le 30 \text{ MHz}$	35 - 20 LOG(<i>f</i>) dB MIN	
PSANEXT LOSS (6 AROUND 1)		67 dB MIN 62.5 - 15 LOG (<i>f</i> /100) dB MIN	
PSAFEXT (6 AROUND 1)	$1 \le f \le 500 \text{ MHz}$	38.2 - 20 LOG(<i>f</i> /100) dB MIN	
VELOCITY OF PROPAGATION	68%		
NOTE: ALL TESTING IS CONDUCTED OFF TH	IE REEL.		
		Г	
		Created BMD 06/05/13 DRAWN: 07/09/13	
			ABBIN® VIRE & CABLE
CUSTOMER APPROVAL:	DATE:	4PR. SF/UTP HIGH FLEX INDUST	
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