1) CONSTRUCTION:					NOM. D	IA.		
CONDUCTOR:	22 AWG 7/30 STRANDED TIN				.030"			
INSULATION: CABLE:				<ness PVC ROD FILLER (.027" ± .005")</ness 	.066 ± .0	^{001"} 5094		
	AND WRAPPED WITH A FOA				.160"	4		
SHIELDS:	AN OVERALL SHIELD OF 38	AWG TIN	INED COPPER BRAI	D (80% MINIMUM COVERAGE),				
	SHALL BE APPLIED OVER T) SHIELD OF AN OVERALL OVERAGE) SHALL BE APPLIED				
	OVER THE BRAID.		LD (FUIL IN, 100% C	OVERAGE) SHALL BE APPLIED	, .180"			
JACKET:	THERMOPLASTIC ELASTON							
			LL CABLE DIAMETE	R	.250"			
					(BY CAL	IPER)		
2) PHYSICAL PROPERT	IES:							
TEMPERATURE RATING, MAX.		75°C & 8	80°C					
TEMPERATURE RATING, MIN. (STATIC) WT./M', NOM., NET.		-40°C						
	SPATTER RESISTANT	39.0 LBS.						
JACKET IS SUNLI	GHT RESISTANT							
FLEX LIFE (PENDING)								
	(126 CYCLES/MIN, @ 20°C)		1 MILLION CYCLE TEST (10X CABLE O.D., MINIMUM RADIUS) 10 MILLION CYCLE TEST (20X CABLE O.D., MINIMUM RADIUS)					
TORSION TEST (F (1 LB LOAD, 360	PENDING))°, 71 CYCLES/MIN, @ 20°C)	3 MILLIO	MILLION CYCLE TEST					
JACKET IS CUTTI	NG/MACHINING OIL RESISTAL			PORT #TR 08-0001)				
(6 MONTHS @ 2		0.00/						
	ENGTH RETENTION, NOM. RETENTION, NOM.	80% 100%						
3) ELECTRICAL CHARAG	CTERISTICS:							
4) AGENCY APPROVALS	e:							
NEC (UL) TYPE P								
NEC (UL) TYPE C								
UL AWM 2463	ETS EU DIRECTIVE 2011/65/E		IIV					
	ETS EU DIRECTIVE 2011/03/E		")					
5) APPLICATION:								
PATCH CABLE FOR PROFINET TYPE B AND C AND ETHERNET/IP CAT 5e APPLICATIONS.								
6) PRINT:								
				ED P/N 5094 (UL) TYPE PLTC		C 22		
AWG SF/QUAD 75C SUNLIGHT RESISTANT OIL RES I & II OR AWM 2463 80C 600V CE RoHS (LOT DESIGNATOR)								
(SEQUENTIAL FO	JOTAGE)				_			
7) COLOR CODE:			JACKET					
1. WHITE X 2. BLUE						、 、		
3. YELLOW X 4. O	RANGE) (SI)			
8) PACKAGING:			FOAM TAPE					
TO BE PACKAGED AS PER QWC'S STANDARD			PVC ROD FILLER					
PACKAGING			INSULATED CONDUCTOR					
			FOIL SHIELD	WHT C		///		
			BRAID		1311			
					∕∕_			
				Ometed DAD	P	S1660		
				Created BMD 10/31/17 DRAWN: 08/07/20		BIN®		
				REV. 06 CHECKED: ZRS				
				TITLE				
CUSTOMER APPROVAL:			DATE:	QUAD, 22 AWG, PE/TPE SHIELDI	ED PROFINE	T CABLE		
				QUABBIN P/N 5094		1 of 2		

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PC CA ML DIE VC	ICAL CHARACTERISTICS: DE COMPLIANT TO 100 METERS WHEN INS IBLE WILL MEET CAT 5e CHANNEL REQUIF JTUAL CAPACITANCE, MAX. ELECTRIC WITHSTANDING, MIN. DLTAGE RATING, MAX. C. RESISTANCE, MAX. (GRP I & GRP II)	EMENTS TO 100 ME 5.6 nF/100m AT 1 kH 2000V RMS 600V	TER LENGTH z @ 20°C	5094		
D.C CC		5% @ 20°C				
	NOTE: TESTING FOR THE FOLLOWING IS CONDUCTED OFF THE REEL. (FOR 100m OF CABLE)					
IMPEDANCE, CHARACTERISTIC CAPACITANCE UNBALANCE, MAX.:		1 ≤ <i>f</i> ≤ 100 MHz	100 ± 15 Ω			
	PAIR-TO-GROUND	330 pF/100m AT 1 kHz @ 20°C				
RE	TURN 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			
INS	SERTION LOSS	1 ≤ <i>f</i> ≤ 100 MHz	$1.02[1.967\sqrt{f} + 0.023(f) + 0.050/\sqrt{f}] + 4*0.040*\sqrt{f} \text{ dB M}$	AX		
NE	ХТ	1 ≤ <i>f</i> ≤ 100 MHz	35.3 - 15 LOG(<i>f</i> /100) dB MIN			
AC	RF	$1 \le f \le 100 \text{ MHz}$	23.8 - 20 LOG(<i>f</i> /100) dB MIN			
PR	OPAGATION DELAY	1 ≤ <i>f</i> ≤ 100 MHz	534 + 36/ \sqrt{f} ns MAX			
PR	OPAGATION DELAY SKEW	1 ≤ <i>f</i> ≤ 100 MHz	≤ 20 ns			

CABLE MEETS THE CHANNEL REQUIREMENT AT 100M AND IS SUITABLE FOR 100M PLUG TO PLUG RUN.

		PS1660
		Created 10/31/17 DRAWN: 08/07/20 REV. 06 CHECKED: ZRS 08/07/20 TITLE
		TITLE
CUSTOMER APPROVAL:	DATE:	QUAD, 22 AWG, PE/TPE SHIELDED PROFINET CABLE
		QUABBIN P/N 5094 2 of 2

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