

1) CONSTRUCTION:		NOM. DIA.
CONDUCTOR:	26 AWG 7/.0069 STRANDED TINNED COPPER	.0205"
INSULATION:	HIGH DENSITY POLYETHYLENE, .008" NOM. WALL THICKNESS	.036"
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS	.072"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER TO FORM A CABLE CORE	.161"
JACKET:	POLYVINYLCHLORIDE, NATURAL, .039" NOM. WALL THICKNESS	
		DIAMETER
		.233"
JACKET:	THERMOPLASTIC ELASTOMER, (COLOR, SEE CHART 1), .033" NOM. WALL THICKNESS	
		OVERALL CABLE DIAMETER
		.299" NOM. .310" MAX.

2) PHYSICAL PROPERTIES:	
TEMPERATURE RATING, MAX.	75°C (OUTER JACKET 105°C, 60°C OIL)
TEMPERATURE RATING, MIN.	-40°C
WT./M', NOM., NET.	43.7 LBS.
UV RESISTANT JACKET	
FLEX LIFE	1 MILLION CYCLE TEST (10X CABLE O.D., MINIMUM RADIUS)

CHART 1:

QUABBIN P/N	JACKET COLOR
5793	BLACK
5794	BLUE
5795	TEAL

3) ELECTRICAL CHARACTERISTICS:
SEE PAGE 2

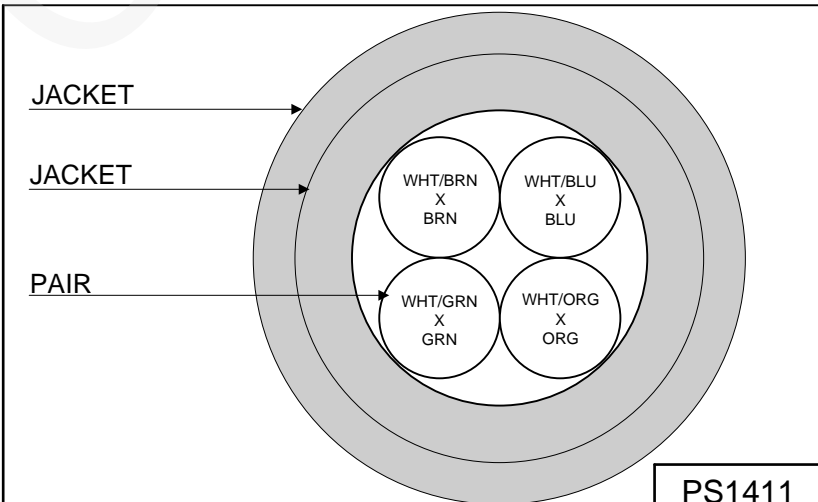
4) AGENCY APPROVALS:
NEC (UL) TYPE CMX OUTDOOR - CM
CEC C(UL) TYPE CMX OUTDOOR - CM

5) APPLICATION:
RoHS COMPLIANT MATERIALS.

6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK)
QUABBIN DATAMAX EXTREME HIGH FLEX CAT 6a UTP PATCH CORD P/N (QWC P/N PER CHART 1) --
C(UL)US TYPE CMX OUTDOOR - CM 26 AWG 75C -- CAT 6a TIA-568.2-D -- CE RoHS -- (LOT DESIGNATOR)
(SEQUENTIAL FOOTAGE)

- 7) COLOR CODE:
1. WHITE/BLUE X BLUE
 2. WHITE/ORANGE X ORANGE
 3. WHITE/GREEN X GREEN
 4. WHITE/BROWN X BROWN

8) PUT UPS
AVAILABLE IN STANDARD 1000 FT REELS



PS1411

Created 12/14/10	DRAWN: 06/07/19	BMD
REV. 03	CHECKED: 06/07/19	ZRS



CUSTOMER APPROVAL:

DATE:

TITLE
DATAMAX EXTREME HIGH FLEX CAT
6a PATCH CABLE

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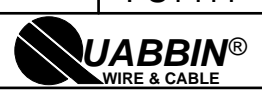
3) ELECTRICAL CHARACTERISTICS: (FOR 100m OF CABLE)

CAPACITANCE, MUTUAL, NOM.	13.5 PF/FT. AT 1 MHz		
DIELECTRIC WITHSTANDING, MIN	1500V RMS		
VOLTAGE RATING, MAX.	300V		
D.C. RESISTANCE, MAX.	14.0 Ω		
IMPEDANCE, NOM.	100 +/- 15 Ω 1-100 MHz		
	100 +/-20 Ω 100 TO 500 MHz		
RETURN LOSS	1 - 10 MHz	20 + 5 LOG (F) dB MIN	
	10 - 20 MHz	25 DB MIN	
	20 - 500 MHz	25 - 8.6 LOG(F/20) dB MIN	
PS NEXT	1 - 500 MHz	42.3 - 15 LOG (F/100) dB MIN	
NEXT	1 - 500 MHz	44.3 - 15 LOG (F/100) dB MIN	
PS ELFEXT	1 - 500 MHz	24.8 - 20 LOG(F/100) dB MIN	
ELFEXT	1 - 500 MHz	27.8 - 20 LOG(F/100) dB MIN	
INSERTION LOSS	1 - 500 MHz	1.5 [1.82 SQRT(F) +.0091(F) +.25/SQRT(F)] dB MAX	
DELAY	1 - 500 MHz	534 + 36/SQRT(F) dB	
DELAY SKEW	1 - 500 MHz	<45NS	
PS ANEXT LOSS (6 AROUND 1)	1 - 500 MHz	62.5 - 15 LOG (F/100) dB	50 - 500 MHz
		67 dB	1 - 50 MHz
PS AFEXT (6 AROUND 1)	1 - 500 MHz	38.2 - 20 LOG(F/100) dB	

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

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