

1) CONSTRUCTION:

CONDUCTOR:	26 AWG 7/34 STRANDED TINNED COPPER	NOM. DIA.	.019"
INSULATION:	HIGH DENSITY POLYETHYLENE, .008" NOM. WALL THICKNESS		.034"
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS		.068"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER TO FORM A CABLE CORE		.145"
JACKET:	POLYVINYLCHLORIDE, TEAL, .037" NOM. WALL THICKNESS		
	DIAMETER		.215"
JACKET:	FR-TPE, TEAL, .039" NOM. WALL THICKNESS		
	OVERALL CABLE DIAMETER		.291" NOM. .300" 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.	42.6 LBS.
UV RESISTANT JACKET	
FLEX LIFE	1 MILLION CYCLE TEST (10X CABLE O.D., MINIMUM RADIUS) COMPLETED 10 MILLION CYCLE TEST (20X CABLE O.D., MINIMUM RADIUS) PENDING

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:

QUABBIN DATAMAX EXTREME HIGH FLEX CAT 6 UTP PATCH CORD P/N 2990 -- TYPE CMX OUTDOOR - CM
26 AWG 75C -- CAT 6 TIA-568-C.2 -- 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

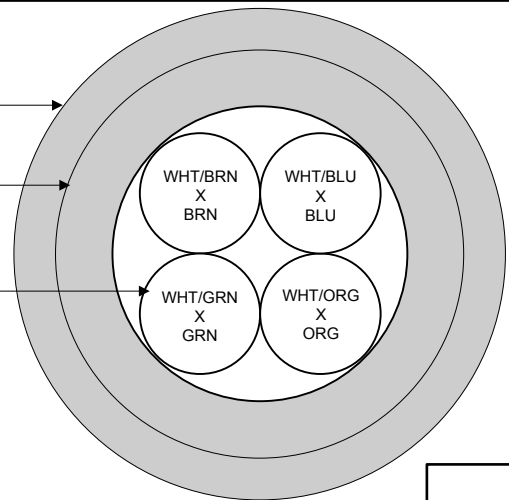
8) PUT UPS

AVAILABLE IN STANDARD 1000 FT
REELS

JACKET

JACKET

PAIR



Created 9/9/11	DRAWN: BMD 9/9/11
REV. 01	CHECKED: JFR 09/13/11
	CHECKED: GBM 09/13/11



TITLE
DATAMAX EXTREME HIGH FLEX CAT 6
PATCH CABLE

QUABBIN P/N 2990

1 of 2

CUSTOMER APPROVAL:

DATE:

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	100 +/- 15 Ω 1-100 MHZ; 100 +/-20 Ω 100 TO 250 MHZ
IMPEDANCE, SMOOTHED	100 +/- 3 Ω TYPICAL 5 - 250 MHZ
RETURN LOSS	1 - 10 MHZ 20 + 5 LOG (F) DB MIN
	10 - 20 MHZ 25 DB MIN
	20 - 250 MHZ 25 - 8.6 LOG(F/20) DB MIN
PS NEXT	1-250 MHZ 42.3 - 15 LOG (F/100) MIN
NEXT	1-250 MHZ 44.3 - 15 LOG (F/100) MIN
PS ACRF	1-250 MHZ 24.8 - 20 LOG(F/100) MIN
ACRF	1-250 MHZ 27.8 - 20 LOG(F/100) MIN
INSERTION LOSS	1-250 MHZ $1.5[1.808 \text{ SQRT}(F) + .017(F) + .2/\text{SQRT}(F)]\text{MAX}$
DELAY	1-250 MHZ $534 + 36/\text{SQRT}(F)$
DELAY SKEW	1-250 MHZ <25NS

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

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TITLE		
DATAMAX EXTREME HIGH FLEX CAT 6 PATCH CABLE		
QUABBIN P/N		2990
		2 of 2

CUSTOMER APPROVAL:

DATE: