

1) CONSTRUCTION:

CONDUCTOR: 26 AWG 7/34 STRANDED TINNED COPPER  
 INSULATION: POLYOLEFIN, .010" NOM. WALL THICKNESS  
 PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS  
 CABLE: (2) TWISTED PAIRS TWISTED TOGETHER WITH FILLER AND WRAPPED WITH A CLEAR POLYESTER BINDER TO FORM A CABLE CORE.  
 SHIELD: AN OVERALL ALUMINIZED POLYESTER FOIL SHIELD (FOIL IN, 100% COVERAGE) WITH A 26 AWG 7/34 STRANDED TINNED COPPER DRAIN WIRE IN CONTACT WITH THE METALIZED SURFACE SHALL BE APPLIED OVER THE CABLE CORE.  
 JACKET: FR-TPE, TEAL (HC41214), .028" NOM. WALL THICKNESS (PRESSURE)

NOM. DIA. .019"  
 .039" MAX O.D.  
 .078"  
 OVERALL CABLE DIAMETER .221" ± .010"  
 (BY PI TAPE)

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX. 75°C (JACKET 105°C, 60°C OIL)  
 TEMPERATURE RATING, MIN. -40°C  
 WT./M', NOM., NET. 19.2 LBS.  
 UV RESISTANT JACKET

3) ELECTRICAL CHARACTERISTICS:  
 SEE PAGE 2

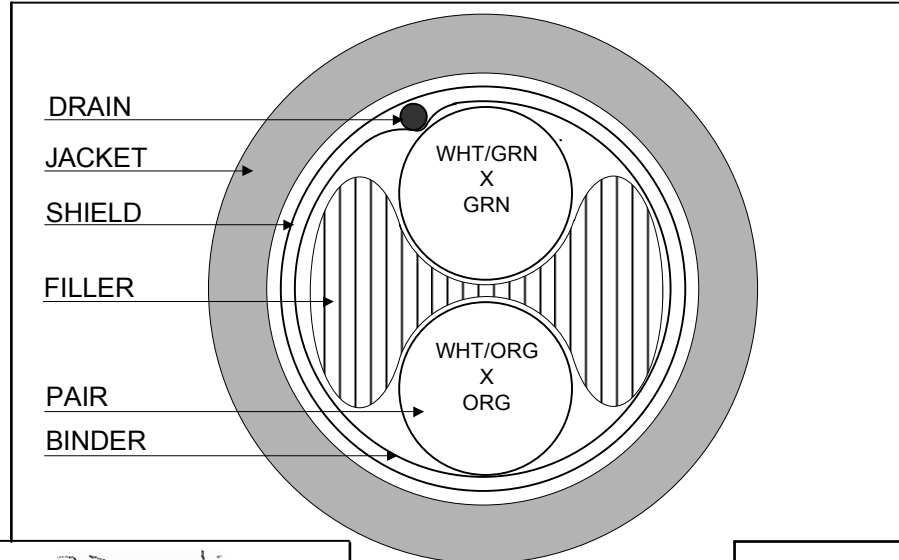
4) AGENCY APPROVALS:  
 NEC (UL) TYPE CM  
 CEC C(UL) TYPE CM

5) APPLICATION:  
 RoHS COMPLIANT MATERIALS.

6) PRINT:  
 QUABBIN DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CORD P/N 5037R TYPE CM (UL) C(UL) 2PR 26 AWG 75C -- RoHS -- (LOT DESIGNATOR)

7) COLOR CODE:  
 1. GREEN X WHITE/GREEN  
 2. ORANGE X WHITE/ORANGE

8) PACKAGING:  
 TO BE PACKAGED AS PER QWC'S STANDARD PACKAGING




REVISION 03	DATE:	DRAWN <i>B. Duceyuski</i> 8/21/07	
REVISED BY <i>B. Duceyuski</i> 1/22/08	CHECKED <i>J. Ruemler</i> 8/24/07		
CHECKED <i>J. Ruemler</i> 2/7/08	CHECKED		
CHECKED	CUSTOMER APPROVAL:	DATE:	TITLE DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CABLE -- 2 PR -- CM (UL) C(UL)
			QUABBIN P/N 5037 1 OF 2

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

CAPACITANCE, MUTUAL	13.5 PF/FT. AT 1 MHZ	
DIELECTRIC WITHSTANDING, MIN	1500V RMS	
VOLTAGE RATING, MAX.	300V	
D.C. RESISTANCE, MAX.	42.6 Ω/1000'	
IMPEDANCE,	100 +/- 15 Ω 1-100 MHZ	
IMPEDANCE, SMOOTHED	100 +/- 10 Ω TYPICAL 5 - 100 MHZ	
SRL	23 DB 1-20 MHZ	
	23 - 10 LOG(F/20) 20-100 MHZ	
RETURN LOSS	1 - 10 MHZ	20 + 5 LOG (F) DB MIN
	10 - 20 MHZ	25 DB MIN
	20 - 100 MHZ	25- 8.6 LOG(F/20) DB MIN
PS NEXT	1-100 MHZ	64 - 15 LOG (F/.772) MIN
NEXT	1-100 MHZ	67 - 15 LOG (F/.772) MIN
PS ELFEXT	1-100 MHZ	63 - 20 LOG(F/.772) MIN
ELFEXT	1-100 MHZ	66 - 20 LOG(F/.772) MIN
ATTENUATION	1-100 MHZ	1.5[1.967 SQRT(F) +.023(F) +.05/SQRT(F)]MAX
DELAY	1-100 MHZ	534 + 36/SQRT(F)
DELAY SKEW	1-100 MHZ	<25NS
VELOCITY OF PROPAGATION	68%	

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

REVISION 03	DATE:	DRAWN <i>B. Duczynski</i> 8/21/07	
REVISED BY	<i>B. Duczynski</i> 1/22/08	CHECKED <i>J. Kuemler</i> 8/24/07	
CHECKED	<i>J. Kuemler</i> 2/7/08	CHECKED	
CHECKED		CUSTOMER APPROVAL: DATE:	TITLE
			DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CABLE -- 2 PR - CM (UL) C(UL)
			QUABBIN P/N 5037 2 OF 2