

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: POLYURETHANE (TYPE 350B), (**COLOR, PER CHART 1**), .025" NOM. WALL THICKNESS (PRESSURE) OVERALL CABLE DIAMETER

NOM. DIA. .019"
 .039" MAX O.D.
 .078"
 .229" (+.010"/-.005") (BY PI TAPE)

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX. 75°C
 TEMPERATURE RATING, MIN. -40°C
 WT./M', NOM., NET. 18.4 LBS.
 UV RESISTANT JACKET
 CHART 1:

QUABBIN P/N	JACKET COLOR
5040	BLACK
5041	BLUE
5042	TEAL

3) ELECTRICAL CHARACTERISTICS:
 SEE PAGE 2

4) AGENCY APPROVALS:

5) APPLICATION:
 RoHS COMPLIANT MATERIALS.

6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK)
 QUABBIN DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CORD P/N (**QWC P/N PER CHART 1***) -- RoHS --
(LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)

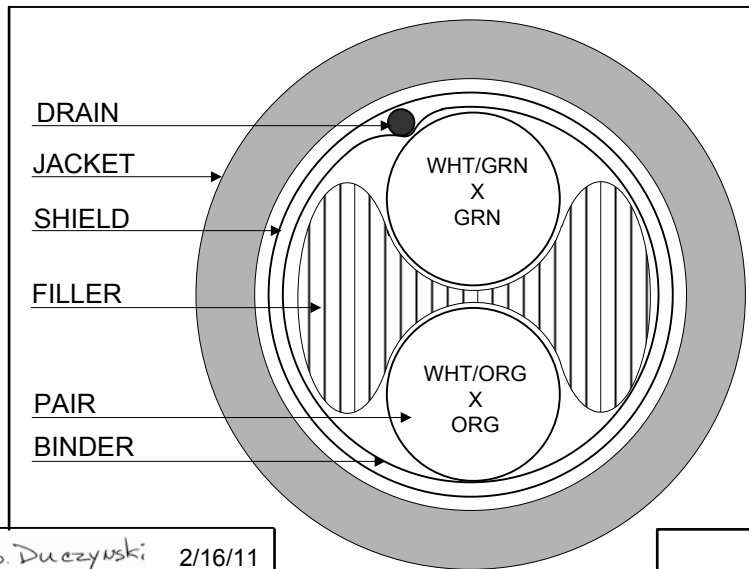
*NOTE: "R" MAY BE ADDED TO P/N IN PRINT TO DISTINGUISH FROM PREVIOUS NON-RoHS PRODUCT

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 01	DATE:	DRAWN <i>B. Duczynski</i> 2/16/11	
REVISED BY		CHECKED <i>J. Kreneder</i> 2/16/11	
CHECKED		CHECKED	
CHECKED		CUSTOMER APPROVAL: DATE:	TITLE DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CABLE -- 2 PR
			DRAWING # QWC0015 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
LCL	1-100 MHZ	-38dB MIN
VELOCITY OF PROPAGATION	68%	

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

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