QWC0043

1) CONSTRUCTION:

		NOM. DIA.
CONDUCTOR:	26 AWG 7/34 STRANDED TINNED COPPER	.019"
INSULATION:	HIGH DENSITY POLYETHYLENE, .010" NOM. WALL THICKNESS	.040" MAX O.D.
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS	.078"
CABLE:	(2) TWISTED PAIRS TWISTED TOGETHER AND WRAPPED WITH A CLEAR POLYESTER BINDER TO FORM A CABLE CORE.	.156"
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.	.165"
JACKET:	POLYVINYLCHLORIDE, **(COLOR, PER CHART 1)**, .038" NOM. WALL THICKNESS (PRESSURE) OVERALL CABLE DIAMETER	.209" ± .010"

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX.	75°C
TEMPERATURE RATING, MIN.	-20°C
WT./M', NOM., NET.	22.8 LBS.

CHART 1:

QUABBIN P/N	JACKET COLOR
5030	BLACK
5031	BLUE
5032	TEAL

3) ELECTRICAL CHARACTERISTICS:
SEE PAGE 2

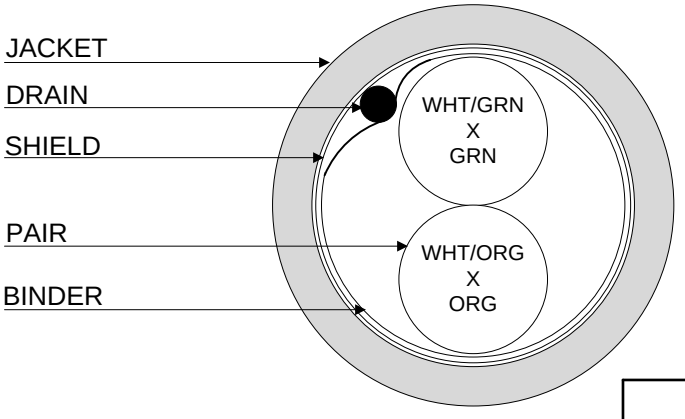
4) AGENCY APPROVALS:
NEC (UL) TYPE CMR
CEC C(UL) TYPE CMR
EU CE MARK: MEETS EU DIRECTIVE 2011/65/EU (RoHS II)

5) APPLICATION:
FOR APPLICATIONS REQUIRING A RUGGED PATCH CORD ASSEMBLY. SHIELDED PATCH CABLE TO SUPPORT SCREENED 568.2-D CATEGORY 5e APPLICATIONS. CABLE MEETS UL 1666 AND HAS BEEN FOUND TO MEET THE STANDARD CRITERIA FOR FT4, PER UL 444.

6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK)
QUABBIN DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CORD F/UTP P/N **(QWC P/N PER CHART 1)** -- TYPE CMR C(UL)US 2PR 26 AWG 75C -- CAT 5e TIA-568.2-D -- CE RoHS -- **(LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)**

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

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



Created 8/23/12	DRAWN: SGH 10/05/20	QUABBIN® WIRE & CABLE
REV. 05	CHECKED: ZRS 10/05/20	

TITLE
DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CABLE -- 2 PR -- C(UL)US CMR

QUABBIN P/N QWC0043 | 1 of 2

CUSTOMER APPROVAL: **DATE:**

3) ELECTRICAL CHARACTERISTICS:

CAPACITANCE, MUTUAL, NOM.	13.5 pF/FT. AT 1 MHz @ 20°C
DIELECTRIC WITHSTANDING, MIN.	1500V RMS
VOLTAGE RATING, MAX.	300V
D.C. RESISTANCE, MAX.	42.6 Ω/1000' @ 20°C

NOTE: TESTING FOR THE FOLLOWING IS CONDUCTED OFF THE REEL. (FOR 100m OF CABLE)

IMPEDANCE,	100 ± 15 Ω 1 – 100 MHz	
IMPEDANCE, SMOOTHED	100 ± 10 Ω TYPICAL 5 – 100 MHz	
RETURN LOSS	$1 \le f < 10$ MHz	$20 + 5 \log(f)$ dB MIN
	$10 \le f < 20$ MHz	25 dB MIN
	$20 \le f \le 100$ MHz	$25 - 8.6 \log(f/20)$ dB MIN
NEXT	$1 \le f \le 100$ MHz	$35.3 - 15 \log(f/100)$ dB MIN
ACRF	$1 \le f \le 100$ MHz	$23.8 - 20 \log(f/100)$ dB MIN
INSERTION LOSS	$1 \le f \le 100$ MHz	$1.5[1.967 \sqrt{f} + 0.023(f) + 0.050/\sqrt{f}]$ dB MAX
DELAY	$1 \le f \le 100$ MHz	$534 + 36/\sqrt{f}$ ns MAX
DELAY SKEW	$1 \le f \le 100$ MHz	<25 ns
LCL	$1 \le f \le 100$ MHz	-38 dB MIN
VELOCITY OF PROPAGATION	68%	

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TITLE
DATAMAX EXTREME DURABLE INDUSTRIAL
ETHERNET PATCH CABLE -- 2 PR -- C(UL)US CMR

CUSTOMER APPROVAL: **DATE:**

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