

1) CONSTRUCTION:

CONDUCTOR: 26 AWG 7/34 STRANDED TINNED COPPER
 INSULATION: HIGH DENSITY POLYETHYLENE, .010" NOM. WALL THICKNESS
 PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS
 CABLE: (2) TWISTED PAIRS TWISTED TOGETHER AND WRAPPED WITH A CLEAR POLYESTER BINDER TO FORM A CABLE CORE.
 SHIELDS: AN OVERALL ALUMINIZED POLYESTER FOIL SHIELD (FOIL OUT, 100% COVERAGE) SHALL BE APPLIED OVER THE CABLE CORE AND SHALL CONTAIN A 26 AWG 7/34 STRANDED TINNED COPPER DRAIN WIRE IN CONTACT WITH THE METALIZED SURFACE. A SECOND SHIELD OF 38 AWG TINNED COPPER BRAID (85% MINIMUM COVERAGE), SHALL BE APPLIED OVER THE FOIL SHIELD.
 JACKET: POLYVINYLCHLORIDE, (**COLOR, PER CHART 1**), .022" NOM. WALL THICKNESS (PRESSURE) OVERALL CABLE DIAMETER

NOM. DIA. .019"
 .039" MAX O. D.
 .078"
 .158"
 .180"
 .224"
 .246" MAX.
 (BY PI TAPE)

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX. 75°C
 TEMPERATURE RATING, MIN. -20°C
 WT./M', NOM., NET. 27.1 LBS.
 CHART 1:

QUABBIN P/N	JACKET COLOR
5060	BLACK
5061	BLUE
5062	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:

6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK)

QUABBIN DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CORD CAT 5e SF/UTP P/N (**QWC P/N PER CHART 1**) -- C(UL)US TYPE CMR 2PR 26 AWG 75C -- CE RoHS -- (**LOT DESIGNATOR**) (**SEQUENTIAL FOOTAGE**)

7) COLOR CODE:

- GREEN X WHITE/GREEN
- ORANGE X WHITE/ORANGE

8) PACKAGING:

TO BE PACKAGED AS PER QWC'S STANDARD PACKAGING

DRAIN

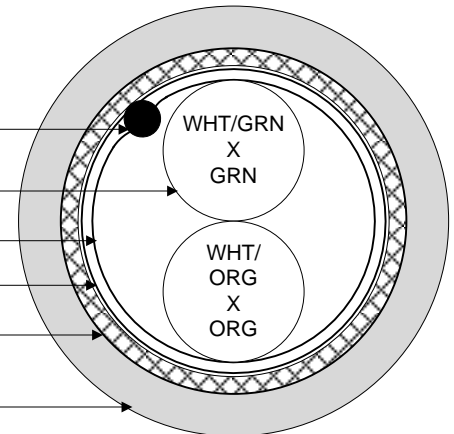
PAIR

BINDER

SHIELD

BRAID

JACKET



Created 12/27/11
 DRAWN: 03/25/20
 REV. 02
 CHECKED: 03/27/20



TITLE

DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CABLE – 2 PR SCREENED

QUABBIN P/N

QWC0031

1 of 2

CUSTOMER APPROVAL:

DATE:

3) ELECTRICAL CHARACTERISTICS:

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

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 ≤ f < 10 MHz	20 + 5 LOG(f) dB MIN
	10 ≤ f < 20 MHz	25 dB MIN
	20 ≤ f ≤ 100 MHz	25 – 8.6 LOG(f/20) dB MIN
NEXT	1 ≤ f ≤ 100 MHz	35.3 – 15 LOG (f/100) dB MIN
ACRF	1 ≤ f ≤ 100 MHz	23.8 – 20 LOG(f/100) dB MIN
INSERTION LOSS	1 ≤ f ≤ 100 MHz	1.5[1.967√(f) + 0.023(f) + 0.050/√(f)] dB MAX
DELAY	1 ≤ f ≤ 100 MHz	534 + 36/√(f) ns MAX
DELAY SKEW	1 ≤ f ≤ 100 MHz	<25 ns
LCL	1 ≤ f ≤ 100 MHz	-38 dB MIN
VELOCITY OF PROPAGATION	68%	

Created 12/27/11	DRAWN: SGH 03/25/20	
REV. 02	CHECKED: ZRS 03/27/20	
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QUABBIN P/N		QWC0031
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DATE: