

1) CONSTRUCTION:

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|-------------|---|------------------------|----------------|
| CONDUCTOR: | 26 AWG 7/34 STRANDED TINNED COPPER | NOM. DIA. | .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. | | |
| 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: | POLYVINYLCHLORIDE, (COLOR, PER CHART 1), .038" NOM. WALL THICKNESS (PRESSURE) | OVERALL CABLE DIAMETER | .209" ± .010" |

2) PHYSICAL PROPERTIES:

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| TEMPERATURE RATING, MAX. | 75°C |
| TEMPERATURE RATING, MIN. | -20°C |
| WT./M', NOM., NET. | 25.6 LBS. |

CHART 1:

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

3) ELECTRICAL CHARACTERISTICS:
SEE PAGE 2

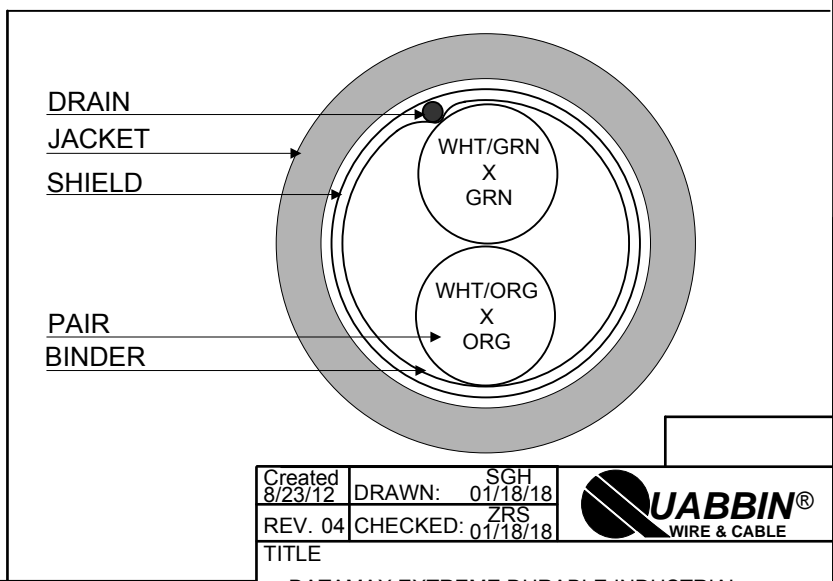
4) AGENCY APPROVALS:
NEC (UL) TYPE CMR
CEC C(UL) TYPE CMR

5) APPLICATION:
FOR APPLICATIONS REQUIRING A RUGGED PATCH CORD ASSEMBLY. SHIELDED PATCH CABLE TO SUPPORT SCREENED 568-C.2 CATEGORY 5e APPLICATIONS. MEETS EU DIRECTIVE 2011/65/EU (RoHS II). 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-C.2 -- 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



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|--|--------------------------|--------|
| Created 8/23/12 | DRAWN: SGH 01/18/18 | |
| REV. 04 | CHECKED: ZRS 01/18/18 | |
| TITLE DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CABLE -- 2 PR -- CMR (UL) C(UL) | | |
| QUABBIN P/N | QWC0043 | 1 of 2 |


CUSTOMER APPROVAL: _____ DATE: _____

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

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|------------------------------|----------------------------------|
| CAPACITANCE, MUTUAL | 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 |
| 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% | |

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

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|---|-------------------------------------|---|
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| QUABBIN P/N | QWC0043 | 2 of 2 |

CUSTOMER APPROVAL:

DATE: