

1) CONSTRUCTION:

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|--|-------------------|
| CONDUCTOR: 24 AWG 7/32 STRANDED TINNED COPPER | NOM. DIA. |
| INSULATION: HIGH DENSITY POLYETHYLENE, .008" NOM. WALL THICKNESS | .024" |
| PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS | .040" |
| CABLE: (4) TWISTED PAIRS TWISTED TOGETHER AND WRAPPED WITH A CLEAR POLYESTER TAPE TO FORM A CABLE CORE | .080" |
| JACKET: THERMOPLASTIC ELASTOMER, (COLOR, PER CHART 1), .032" NOM. WALL THICKNESS (PRESSURE) | .184" |
| OVERALL CABLE DIAMETER | .248" (+/- .005") |
| | BY PI TAPE |

2) PHYSICAL PROPERTIES:

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|--------------------------|---|
| TEMPERATURE RATING, MAX. | 75°C & 80°C (JACKET 105°C, 60°C OIL) |
| TEMPERATURE RATING, MIN. | -40°C |
| WT./M', NOM., NET. | 29.3 LBS. |
| UV RESISTANT JACKET | |
| FLEX LIFE | 1 MILLION CYCLE TEST (10X CABLE O.D., MINIMUM RADIUS) 10 MILLION CYCLE TEST (20X CABLE O.D., MINIMUM RADIUS) |

CHART 1:

| QUABBIN P/N | JACKET COLOR |
|-------------|--------------|
| 5750 | BLACK |
| 5751 | BLUE |
| 5752 | TEAL |
| 5753 | RED |

3) ELECTRICAL CHARACTERISTICS:
SEE PAGE 2

4) AGENCY APPROVALS:
UL AWM STYLE 2463 (80C 600V)
NEC (UL) TYPE CMX OUTDOOR - CM
CEC C(UL) TYPE CMX OUTDOOR - CM

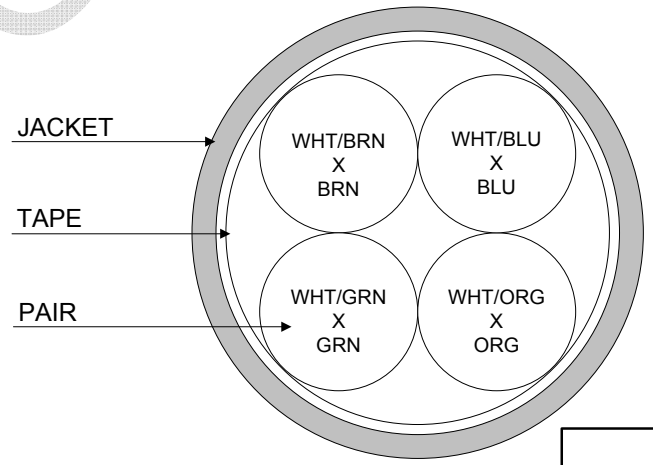
5) APPLICATION:
FOR APPLICATIONS REQUIRING A RUGGED PATCH CORD ASSEMBLY. RoHS COMPLIANT MATERIALS.

6) PRINT:
QUABBIN DATAMAX EXTREME HIGH FLEX INDUSTRIAL ETHERNET PATCH CORD P/N (QWC P/N PER CHART 1*)
-- C(UL)US TYPE CMX OUTDOOR - CM 4PR 24 AWG 75C OR AWM 2463 -- 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. WHITE/BLUE X BLUE
2. WHITE/ORANGE X ORANGE
3. WHITE/GREEN X GREEN
4. WHITE/BROWN X BROWN

8) PUT UPS
AVAILABLE IN STANDARD 1000 FT REELS OR IN LONGER BULK PUTUPS



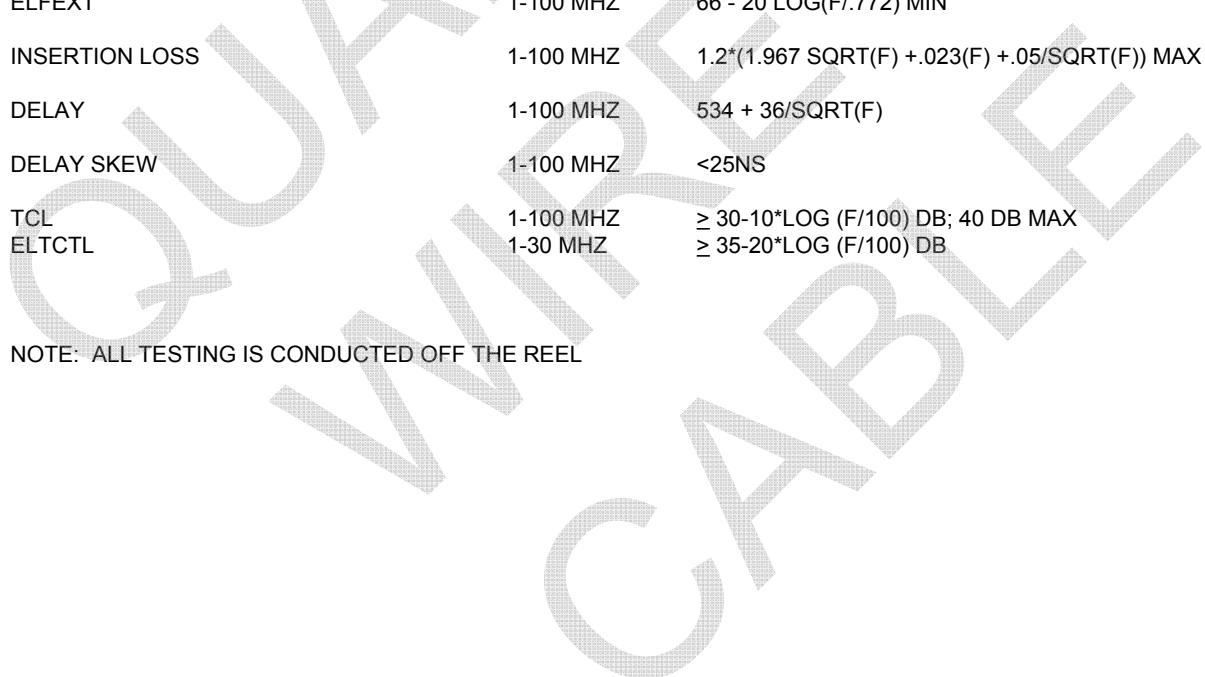
| | | |
|---|--------------------------|--------|
| Created 8/9/12 | DRAWN: BMD 8/9/12 | |
| REV. 01 | CHECKED: GBM 08/14/12 | |
| TITLE DATAMAX EXTREME HIGH FLEX INDUSTRIAL ETHERNET PATCH CABLE -- 4PR -- TYPE CMX OUTDOOR - CM, STYLE 2463 | | |
| DRAWING# QWC0039 | | 1 of 2 |

CUSTOMER APPROVAL: _____ DATE: _____

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

| | | |
|------------------------------|--------------------------------|---|
| CAPACITANCE, MUTUAL | 13.5 PF/FT. AT 1 MHZ | |
| DIELECTRIC WITHSTANDING, MIN | 2000V RMS | |
| VOLTAGE RATING, MAX. | 600V | |
| D.C. RESISTANCE, MAX. | 26.0 Ω /1000' | |
| IMPEDANCE | 100 +/- 15 Ω 1-100 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 |
| INSERTION LOSS | 1-100 MHZ | 1.2*(1.967 SQRT(F) +.023(F) +.05/SQRT(F)) MAX |
| DELAY | 1-100 MHZ | 534 + 36/SQRT(F) |
| DELAY SKEW | 1-100 MHZ | <25NS |
| TCL | 1-100 MHZ | $\geq 30-10*\text{LOG}(F/100)$ DB; 40 DB MAX |
| ELTCTL | 1-30 MHZ | $\geq 35-20*\text{LOG}(F/100)$ DB |

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL



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| DRAWING# | QWC0039 | 2 of 2 |