1. CONSTRUCTION:
   CONDUCTOR: 22 AWG 7/30 STRANDED TINNED COPPER
   INSULATION: HIGH DENSITY POLYETHYLENE, .018" NOM. WALL THICKNESS
   CABLE: (4) COLOR CODED WIRES CABLED TOGETHER WITH A PVC ROD FILL (.027"+/-.005") AND WRAPPED WITH A FOAM POLYPROPYLENE TAPE TO FORM A CABLE CORE.
   SHIELD: AN OVERALL SHIELD OF 38AWG TINNED COPPER BRAID (80% MIN. COVERAGE), SHALL BE APPLIED OVER THE CABLE CORE. A SECOND SHIELD OF AN OVERALL ALUMINIZED POLYESTER FOIL SHIELD (FOIL IN, 100% COVERAGE) SHALL BE APPLIED OVER THE Braid.
   JACKET: THERMOPLASTIC ELASTOMER, GREEN (CR# 70) .035" NOM. WALL THICKNESS (PRESSURE)
   OVERALL CABLE DIAMETER 0.250"

2. PHYSICAL PROPERTIES:
   TEMPERATURE RATING, MAX. 75°C & 80°C
   TEMPERATURE RATING, MIN. (STATIC) -40°C
   WT./M', NOM., NET. 39.0 LBS.
   JACKET IS WELD SPATTER RESISTANT, JACKET IS CUTTING/MACHINING OIL RESISTANT, JACKET IS SUNLIGHT RESISTANT
   FLEX LIFE (PENDING) 1 MILLION CYCLE TEST (10X CABLE O.D., MINIMUM RADIUS)

3. AGENCY APPROVALS:
   NEC (UL) TYPE CL3
   UL AWM 2463

4. APPLICATION:
   PATCH CABLE FOR PROINET type B AND C AND ETHERNET/IP CAT 5e APPLICATIONS. MEETS EU DIRECTIVE 2011/65/EU (RoHS II)
   POE COMPLIANT (802.3 af) TO 100 METERS WHEN INSTALLED PER RECOMMENDATIONS IN TIA-184. CABLE WILL MEET CAT 5e CHANNEL REQUIREMENTS TO 100 METER LENGTH.

5. PRINT: (BLACK INK )
   QUABBIN DATAMAX INDUSTRIAL PROFINET TYPE B AND C CAT 5E SHIELDED P/N 5094 -- (UL) TYPE PLTC OR CL3 4C 22AWG SF/QUAD 75C SUNLIGHT RESISTANT OIL RESISTANT (SEQUENTIAL FOOTAGE)

6. ELECTRICAL CHARACTERISTICS: (FOR 100m OF CABLE)
   POE COMPLIANT (802.3 af) TO 100 METERS WHEN INSTALLED PER RECOMMENDATIONS IN TIA-184. CABLE WILL MEET CAT 5e CHANNEL REQUIREMENTS TO 100 METER LENGTH.
   CAPACITANCE, MUTUAL, MAX. 5.6 nF/100m AT 1 kHz @20°C
   DIELECTRIC WITHSTANDING, MIN. 2000V RMS
   VOLTAGE RATING, MAX. 600V
   D.C. RESISTANCE, MAX. (GRP I & GRP II) 17.5 OMH/1000' @20°C
   IMPEDANCE 100 +/- 15Ω, 1 ≤ f ≤ 100 MHz
   RETURN LOSS:
   1 ≤ f < 10 MHz 20 + 5 LOG (f) dB MIN
   10 ≤ f < 20 MHz 25dB MIN
   20 ≤ f < 100 MHz 25 - 8.6 LOG(f/20) dB MIN

7. PACKAGING:

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<thead>
<tr>
<th>PART NUMBER</th>
<th>PACKAGING</th>
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<tbody>
<tr>
<td>TFDP503-100</td>
<td>COIL</td>
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<tr>
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<tr>
<td>TFDP503-1000</td>
<td>SPOOL</td>
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