DataMax® Industrial Profinet® Solutions

The trusted DataMax® name is now available for Profinet® solutions. Whether your application requires Type A, B or C we have you covered. The unique patented shield system combined with precision twisted pair construction ensures reliable continuous flexing and superior electrical performance, while a robust TPE jacket provides protection from hazards associated with heavy manufacturing.

**DESIGN FEATURES**
- Type A, B, or C
- 22 AWG Stranded or Solid
- Twisted pair construction
- Thermoplastic Elastomer Jacket (TPE) standard*
- Patented shield system
- POE Compliant to 100 meters
- Meets Cat 5e channel requirements to 100 meters
- RoHS Compliant
- Oil & Chemical Resistance
- Weld Spatter Resistance
- UV Resistance

**APPLICATIONS**
- Factory Automation
- Automobile Production
- Continuous Flex
- Process Control

**LISTINGS/RATINGS**
- NEC (UL) Type PLTC
- NEC (UL) Type ITC
- UL AWM Style 2463 (80C 600V)
- Pennsylvania D.E.P - MSHA

*PVC & PUR Jackets available (ratings tbd)
PART NO. 5923

1) CONSTRUCTION:
- NOM. DIA: 0.254" O.D.
- 22 AWG SOLID TINNED COPPER
- INSULATION: HIGH DENSITY POLYETHYLENE, 0.012" NOM. WALL THICKNESS
- PARCELS: COLOR CODED SINGLES TWISTED INTO QUADS
- CABLE: (2) TWISTED PAIRS TWISTED TOGETHER WITH FILLER AND WRAPPED WITH A FOAM POLYPROPYLENE TAPE TO FORM A CABLE CORE.
- SHIELDS: AN OVERALL SHIELD OF 36 AWG TINNED COPPER Braid (75% MINIMUM COVERAGE), SHALL BE APPLIED OVER THE CABLE CORE. A SECOND SHIELD OF ALUMINUM POLYESTER FOIL (FOIL IN, 100% COVERAGE) SHALL BE APPLIED OVER THE Braid.
- JACKET: THERMOPLASTIC ELASTOMER, GREEN (CMR 70) .042" NOM. WALL THICKNESS (PRESSURE) OVERALL CABLE DIAMETER .305" (. Signature MAX ) BY PI TAPE

2) PHYSICAL PROPERTIES:
- TEMPERATURE RATING, MAX. 75°C & 80°C (JACKET 105°C, 75°C OIL)
- TEMPERATURE RATING, MIN. -40°C (MANUFACTURER'S RECOMMENDED)
- WT. M. NOM. NET: 49.1 LBS.
- JACKET IS WELD SPATTER RESISTANT
- JACKET IS SUNLIGHT RESISTANT
- JACKET IS CUTTING/MAINING OIL RESISTANT (PER QUABBIN TEST REPORT #TR 08-0011)
- (8 MONTHS @ 20°C)
- TENSILE STRENGTH RETENTION, NOM. 80%
- ELONGATION RETENTION, NOM. 100%
- POE COMPLIANT: 500 ft. TO 100 METERS WHEN INSTALLED PER RECOMMENDATIONS IN TIA TSB-184
- CABLE WILL MEET CAT 5e CHANNEL REQUIREMENTS TO 100 METER LENGTH

3) ELECTRICAL CHARACTERISTICS:
- SEE PAGE 2

4) AGENCY APPROVALS:
- UL ARM STYLE 2463 (80C 600V)
- NEC (UL) TYPE PLTC
- NEC (UL) TYPE ITC
- PENNSYLVANIA D.E.P. - MSHA

5) APPLICATION:
- HORIZONTAL CABLE FOR PROFINET TYPE A CAT 5e APPLICATIONS. ROHS COMPLIANT MATERIALS.
- U.S. PATENT NO. US 8,487,184 B2

6) PRINT:
- (UL) TYPE PLTC 2P2 22 AWG SIFUP TSC
- SUNLIGHT RESISTANT OIL RES II OR ITC OR
- AVVM 2463 600V — P-07-KA 140018-MSHA —
- ROHS — (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)

7) COLOR CODE:
- 1. BLUE X WHITE
- 2. ORANGE X YELLOW

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

PART NO. 5924

1) CONSTRUCTION:
- NOM. DIA: 0.254" O.D.
- 22 AWG STRANDED TINNED COPPER
- INSULATION: HIGH DENSITY POLYETHYLENE, 0.012" NOM. WALL THICKNESS
- PARCELS: COLOR CODED SINGLES TWISTED INTO QUADS
- CABLE: (2) TWISTED PAIRS TWISTED TOGETHER WITH FILLER AND WRAPPED WITH A FOAM POLYPROPYLENE TAPE TO FORM A CABLE CORE.
- SHIELDS: AN OVERALL SHIELD OF 36 AWG TINNED COPPER Braid (75% MINIMUM COVERAGE), SHALL BE APPLIED OVER THE CABLE CORE. A SECOND SHIELD OF ALUMINUM POLYESTER FOIL (FOIL IN, 100% COVERAGE) SHALL BE APPLIED OVER THE Braid.
- JACKET: THERMOPLASTIC ELASTOMER, GREEN (CMR 70) .042" NOM. WALL THICKNESS (PRESSURE) OVERALL CABLE DIAMETER .310" (.15 MAX ) BY PI TAPE

2) PHYSICAL PROPERTIES:
- TEMPERATURE RATING, MAX. 75°C & 80°C (JACKET 105°C, 75°C OIL)
- TEMPERATURE RATING, MIN. -40°C (MANUFACTURER'S RECOMMENDED)
- WT. M. NOM. NET: 47.2 LBS.
- JACKET IS WELD SPATTER RESISTANT
- JACKET IS SUNLIGHT RESISTANT
- JACKET IS CUTTING/MAINING OIL RESISTANT (PER QUABBIN TEST REPORT #TR 08-0011)
- (6 MONTHS @ 20°C)
- TENSILE STRENGTH RETENTION, NOM. 90%
- ELONGATION RETENTION, NOM. 100%
- FLEX LIFE (PENDING):
- (150 CYCLES/MIN. @ 20°C)
- TORSION TEST (PENDING):
- (1 LB. LOAD, 300°, 71 CYCLES/MIN. @ 20°C)
- POE COMPLIANT: 500 ft. TO 100 METERS WHEN INSTALLED PER RECOMMENDATIONS IN TIA TSB-184
- CABLE WILL MEET CAT 5e CHANNEL REQUIREMENTS TO 100 METER LENGTH

3) ELECTRICAL CHARACTERISTICS:
- SEE PAGE 2

4) AGENCY APPROVALS:
- UL ARM STYLE 2463 (80C 600V)
- NEC (UL) TYPE PLTC
- NEC (UL) TYPE ITC
- PENNSYLVANIA D.E.P. - MSHA

5) APPLICATION:
- PATCH CABLE FOR PROFINET TYPE B AND C CAT 5e APPLICATIONS. ROHS COMPLIANT MATERIALS.
- U.S. PATENT NO. US 8,487,184 B2

6) PRINT:
- SUNLIGHT RESISTANT OIL RES II OR ITC OR
- AVVM 2463 600V — P-07-KA 140018-MSHA —
- ROHS — (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)

7) COLOR CODE:
- 1. BLUE X WHITE
- 2. ORANGE X YELLOW

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

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