

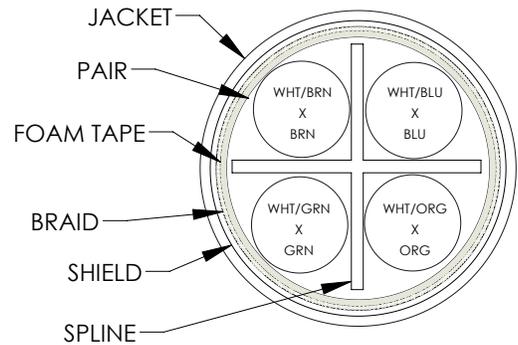
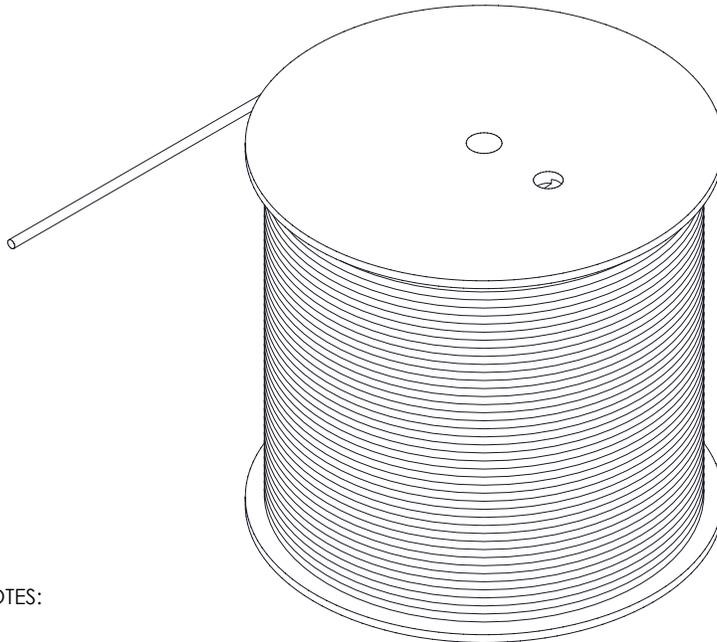
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| REVISIONS | | | |
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| REV | DESCRIPTION | DATE | APPROVAL |
| A | INITIAL RELEASE | 04/03/2019 | DFRISIELLO |

TFDL6123

TFDL6123 CONSISTS OF 1000 FEET OF CONTINUOUS LENGTH BULK CABLE

CROSS-SECTIONAL VIEW



COLOR CODE
 1) WHITE/ORANGE X ORANGE
 2) WHITE/BROWN X BROWN
 3) WHITE/GREEN X GREEN
 4) WHITE/BLUE X BLUE

NOTES:

1. CONSTRUCTION:

- CONDUCTOR: 26 AWG 7/34 STRANDED TINNED COPPER
- INSULATION: HIGH DENSITY POLYETHYLENE, .009" NOM. WALL THICKNESS
- PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS
- CABLE: (4) TWISTED PAIRS TWISTED TOGETHER TO FORM A CENTRAL SPLINE AND WRAPPED WITH A FOAM POLYPROPYLENE TAPE TO FORM A CABLE CORE.
- SHIELD: AN OVERALL SHIELD OF 38AWG TINNED COPPER BRAID (80% MINIMUM) SHALL BE APPLIED OVER THE CABLE CORE. AN ALUMINUM/POLYESTER FOIL (100% COVERAGE) SHALL BE APPLIED OVER THE BRAID.
- JACKET: ZHFR POLYURETHANE, (COLOR, BLACK), .037" NOM. WALL THICKNESS

| | |
|-----------|------------|
| NOM. DIA. | .019" |
| | .036" |
| | .072" |
| | .176" |
| | .195" |
| | .269" NOM. |

2. PHYSICAL PROPERTIES:

- TEMPERATURE RATING, MAX. 75°C
- TEMPERATURE RATING, MIN. -40°C
- WT./M', NOM., NET. 39.2 LBS.
- FLEX LIFE: 1 MILLION CYCLE TEST (10X CABLE O.D. MINIMUM RADIUS)
- 10 MILLION CYCLE TEST (20X CABLE O.D. MINIMUM RADIUS)

3. AGENCY APPROVALS: NEC (ETL) TYPE CMX

- 4. JACKET OIL RESISTANCE (IRM 902 OIL, 7 DAYS @ 100°C)
- TENSILE STRENGTH RETENTION, NOM. 100%
- ELONGATION RETENTION, NOM. 80%

POE COMPLIANT (802.3af) TO 64 METERS WHEN INSTALLED PER RECOMMENDATIONS IN TIA TSB-184 CABLE WILL MEET CAT 6a CHANNEL REQUIREMENTS TO 64 METER LENGTH

5. APPLICATION: PASSES VW-1

6. PRINT: (WHITE INK)

(MANUFACTURER NAME) DATAMAX EXTREME HIGH FLEX ZERO HALOGEN INDUSTRIAL ETHERNET/IP PATCH CORD CAT 6a SF/UTP P/N (MANUFACTURER P/N) -- C(ETL)US TYPE CMX OIL RES I 26 AWG 75C -- CE RoHS -- (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)

7. ELECTRICAL CHARACTERISTICS: (FOR 100m OF CABLE)

- CAPACITANCE, MUTUAL, NOM. 13.5 PF/FT. AT 1 MHz
- DIELECTRIC WITHSTANDING, MIN. 1500V RMS
- VOLTAGE RATING, MAX. 300V
- D.C. RESISTANCE, NOM. 14.0 Ω
- IMPEDANCE 100 +/- 15 Ω 1-100 MHz
- IMPEDANCE, SMOOTHED 100 +/- 20 Ω 100 - 500 MHz
- RETURN LOSS
- 1 ≤ f < 10 MHz 20 + 6 LOG (f) dB MIN
- 10 ≤ f < 20 MHz 26 dB MIN
- 20 ≤ f ≤ 100 MHz 26- 5 LOG(f/20) dB MIN
- 100 ≤ f ≤ 250 MHz 25- 8.6 LOG(f/20) dB MIN

8. PACKAGING:

CABLE SHIPPED ON A REEL

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|--|--|-------------------------------|--|---------------------------|-----------------------------|------------------|
| UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [mm] OVERALL CABLE LENGTH TOLERANCE: ≤12 [305] = +1 [25] / -0 >12 [305] - 60 [1524] = +2 [51] / -0 >60 [1524] - 120 [3048] = +4 [102] / -0 >120 [3048] - 300 [7620] = +6 [152] / -0 >300 [7620] = +5% / -0% ALL OTHER DIMENSIONAL TOLERANCES: .X = .2 [5.08] .XX = .02 [5.1] .XXX = .005 [1.3] | APPROVALS | DATE | 50 HIGH STREET NORTH ANDOVER, MA 01845 | | | |
| | DRAWN BY DFRISIELLO | 04/01/2019 | | | | |
| | CHECKED BY DGUTTADAUR | 04/03/2019 | CATEGORY | TELECOM/MODULAR | | |
| | APPROVED BY DGUTTADAUR | 04/03/2019 | PRODUCT DESCRIPTION | C6A FTP 4PR/28 STR PVC BL | | |
| PROJECTION | CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY | COLOR VARIATIONS MAY OCCUR | SIZE A | FSCM NO. 43321 | DWG. NO. TFDL6123 | REV. A |
| | | | SCALE: 1:4 | CAD FILE: TFDL6123.SLDRW | SHEET 1 OF 1 | |