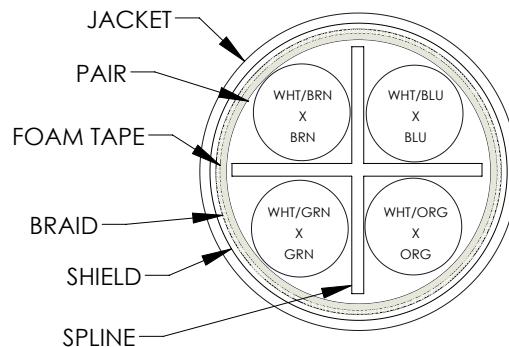
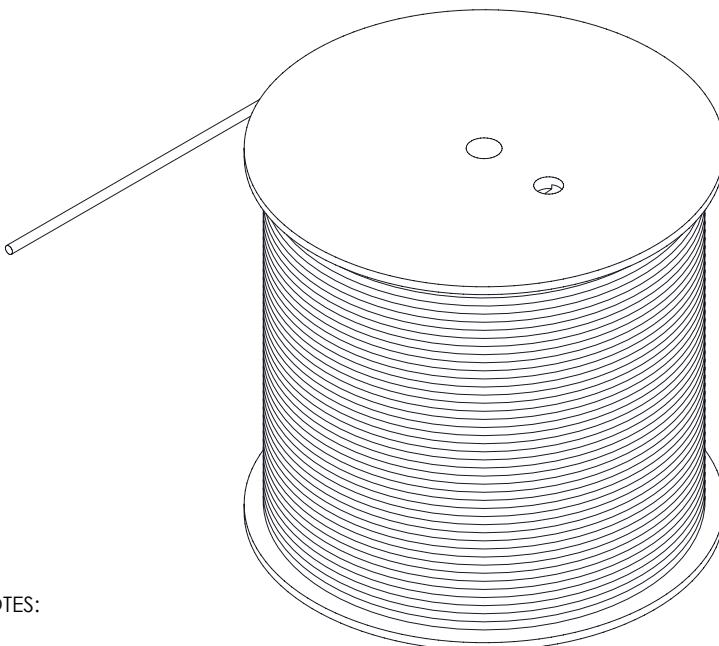


REV		REVISIONS	
REV	DESCRIPTION	DATE	APPROVAL
A	INITIAL RELEASE	04/03/2019	DFRISIELLO

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
 OVERALL CABLE DIAMETER

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 1 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

APPROVALS		DATE	L-Com® Global Connectivity	
DRAWN BY DFRISIELLO		04/01/2019	50 HIGH STREET NORTH ANDOVER, MA 01845	
CHECKED BY DGUTTADAUR		04/03/2019	CATEGORY	
APPROVED BY DGUTTADAUR		04/03/2019	TELECOM/MODULAR	
PRODUCT DESCRIPTION				C6A FTP 4PR/28 STR PVC BL
CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY				
PROJECTION		COLOR VARIATIONS MAY OCCUR	SIZE A	FSCM NO. 43321
			DWG. NO. TFDL6123	REV. A
		SCALE: 1:4	CAD FILE: TFDL6123.SLDDRW	SHEET 1 OF 1