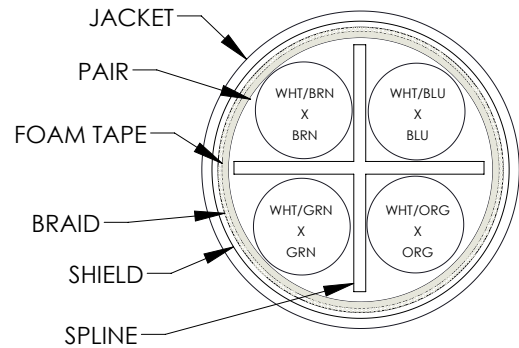
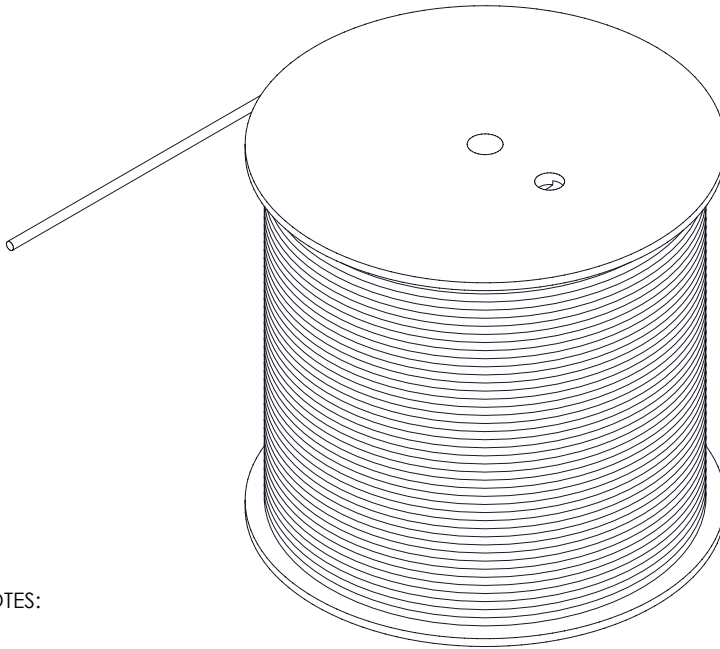


REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
A	INITIAL RELEASE	04/03/2019	DFRISIELLO

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 I 26 AWG 75C -- CE RoHS -- (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)


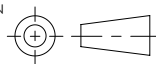
7. ELECTRICAL CHARACTERISTICS: (FOR 100m OF CABLE)

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

$1 \leq f < 10 \text{ MHz}$ 20 + 6 LOG (f) dB MIN
 $10 \leq f < 20 \text{ MHz}$ 26 dB MIN
 $20 \leq f \leq 100 \text{ MHz}$ 26- 5 LOG(f/20) dB MIN
 $100 \leq f \leq 250 \text{ MHz}$ 25- 8.6 LOG(f/20) dB MIN

8.PACKAGING:

CABLE SHIPPED ON A REEL

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 [51] .XXX = .005 [13]	APPROVALS	DATE	 50 HIGH STREET NORTH ANDOVER, MA 01845	
	DRAWN BY DFRISIELLO	04/01/2019		
	CHECKED BY DGUTTADAUR	04/03/2019		
	APPROVED BY DGUTTADAUR	04/03/2019		
PROJECTION 	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY		CATEGORY TELECOM/MODULAR	
	COLOR VARIATIONS MAY OCCUR		PRODUCT DESCRIPTION C6A FTP 4PR/28 STR PVC BL	
SIZE A	FSCM NO. 43321	DWG. NO. TFDL6123	REV. A	
SCALE: 1:4		CAD FILE: TFDL6123.SLDRW		SHEET 1 OF 1