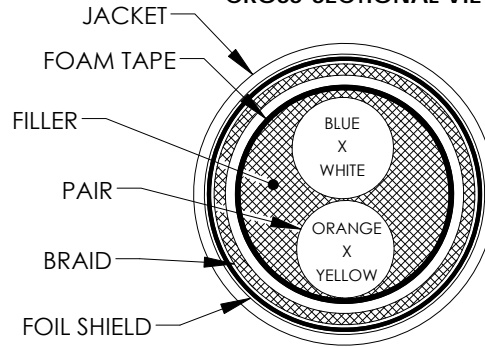


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REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
A	REV A DRAWING RELEASED	10/28/2019	DGUTTADAUR

CROSS-SECTIONAL VIEW



COLOR CODE:
 1) BLUE X WHITE
 2) ORANGE X YELLOW

NOTES:

- 1. CONSTRUCTION:**
 CONDUCTOR: 22 AWG SOLID TINNED COPPER
 INSULATION: HIGH DENSITY POLYETHYLENE, .012" NOM. WALL THICKNESS
 PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS
 CABLE: (2) TWISTED PAIRS TWISTED TOGETHER WITH FILLER AND WRAPPED WITH A FOAM POLYPROPYLENE TAPE TO FORM A CABLE CORE.
 SHIELD: AN OVERALL SHIELD OF 38AWG TINNED COPPER BRAID (75% 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) .043" NOM. WALL THICKNESS (PRESSURE) OVERALL CABLE DIAMETER
- 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 SPATEER RESISTANT
 JACKET IS SUNLIGHT RESISTANT
 JACKET IS CUTTING/MACHINING OIL RESISTANT
 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.
- 3. AGENCY APPROVALS:**
 UL AWM STYLE 2463 (80°C 600V)
 NEC (UL) TYPE PLTC
 NEC (UL) TYPE ITC
 PENNSYLVANIA D.E.P. - MSHA
- 4. APPLICATION:**
 HORIZONTAL CABLE FOR PROFINET TYPE A CAT 5e APPLICATIONS. RoHS COMPLIANT MATERIALS. U.S. PATENT #8,487,184 B2
- 5. PRINT: (BLACK INK)**
 QUABBIN DATAMAX INDUSTRIAL PROFINET TYPE A CAT 5E SHIELDED P/N 5923 -- U.S. PATENT NO. 8,487,184 B2 -- (UL) TYPE PLTC 2PR 22AWG SF/UTP 75C SUNLIGHT RESISTANT OIL RES II OR ITC OR AWM 2463 80C 600V -- P-07-KA140018-MSHA -- RoHS -- (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)
- 6. ELECTRICAL CHARACTERISTICS: (FOR 100m OF CABLE)**
 CAPACITANCE, MUTUAL, NOM. 13.5 PF/FT AT 1 MHz
 DIELECTRIC WITHSTANDING, MIN. 2000V RMS
 VOLTAGE RATING, MAX. 600V
 D.C. RESISTANCE, MAX. 6.2 OHM
 IMPEDANCE 100 +/- 15 Ω, 1 - 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 - 7 LOG(f/20) dB MIN

NOM. DIA.
.0254"
.050"
.100"
.200"
.219"
.305" (.315" MAX.) BY PI TAPE

7. PACKAGING:

PART NUMBER	PACKAGING
TFDP501-100	COIL
TFDP501-500	SPOOL
TFDP501-1000	SPOOL

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [mm] OVERALL CABLE LENGTH TOLERANCE: ≤12 [305] - 60 [1524] = +1 [25] / -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	10/25/2019		
	APPROVED BY DGUTTADAURO	10/28/2019	CATEGORY TELECOM/MODULAR	
	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY		PRODUCT DESCRIPTION PROFINET C5E 2PR 22SLD SF/UTP PLTC TPE GRN	
PROJECTION	COLOR VARIATIONS MAY OCCUR	SIZE A	FSCM NO. 43321	DWG. NO. TFDP501
		SCALE: N/A	CAD FILE: TFDP501.SLDDRW	REV. A
				SHEET 1 OF 1