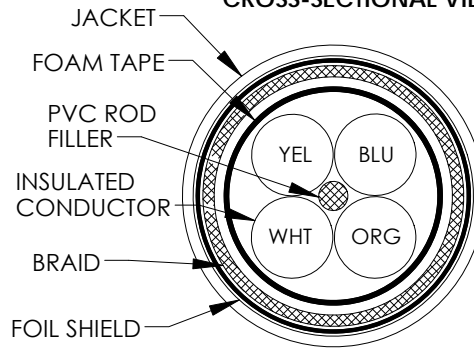


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REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
A	REV A DRAWING RELEASED	10/28/2019	DGUTTADAUR

CROSS-SECTIONAL VIEW



COLOR CODE:
 1) WHITE
 2) BLUE
 3) YELLOW
 4) ORANGE

NOTES:

1. CONSTRUCTION:

CONDUCTOR: 22 AWG 7/30 STRANDED TINNED COPPER
 INSULATION: HIGH DENSITY POLYETHYLENE, .018" NOM. WALL THICKNESS
 CABLE: (4) COLOR CODED WIRES CABLED TOGETHER WITH A PVC ROD FILL (.027"/+/- .005") AND WRAPPED WITH A FOAM POLYPROPYLENE TAPE TO FORM A CABLE CORE.
 SHIELD: AN OVERALL SHIELD OF 38AWG TINNED COPPER BRAID (80% 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) .035" NOM. WALL THICKNESS (PRESSURE)

NOM. DIA.
 .030"
 .066"/+/- .001"
 .160"
 .250"

2. PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX. 75°C & 80°C
 TEMPERATURE RATING, MIN. (STATIC) -40°C
 WT./M', NOM., NET. 39.0 LBS.
 JACKET IS WELD SPATTER RESISTANT, JACKET IS CUTTING/MACHINING OIL RESISTANT, JACKET IS SUNLIGHT RESISTANT

FLEX LIFE (PENDING)

(126 CYCLES/MIN, @20°C) 1 MILLION CYCLE TEST (10X CABLE O.D., MINIMUM RADIUS)
 10 MILLION CYCLE TEST (20X CABLE O.D., MINIMUM RADIUS)

3. AGENCY APPROVALS:

NEC (UL) TYPE PLTC
 NEC (UL) TYPE CL3
 UL AWM 2463

4. APPLICATION:

PATCH CABLE FOR PROINET TYPE B AND C AND ETHERNET/IP CAT 5e APPLICATIONS. MEETS EU DIRECTIVE 2011/65/EU (RoHS II)

5. PRINT: (BLACK INK)

QUABBIN DATAMAX INDUSTRIAL PROFINET TYPE B AND C CAT 5E SHIELDED P/N 5094 -- (UL) TYPE PLTC OR CL3 4C 22AWG SF/QUAD 75C SUNLIGHT RESISTANT OIL RES I & II OR AWM 2463 80C 600V -- CE RoHS -- (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)

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

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.

CAPACITANCE, MUTUAL, MAX. 5.6 nF/100m AT 1 kHz @20°C
 DIELECTRIC WITHSTANDING, MIN. 2000V RMS
 VOLTAGE RATING, MAX. 600V
 D.C. RESISTANCE, MAX. (GRP I & GRP II) 17.5 OHM/1000' @20°C
 IMPEDANCE 100 +/- 15 Ω, 1 ≤ f ≤ 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- 8.6 LOG(f/20) dB MIN

7. PACKAGING:

PART NUMBER	PACKAGING
TFDP503-100	COIL
TFDP503-500	SPOOL
TFDP503-1000	SPOOL

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 [127]	APPROVALS	DATE	50 HIGH STREET NORTH ANDOVER, MA 01845	
	DRAWN BY DFRISIELLO	10/24/2019		
PROJECTION 	APPROVED BY DGUTTADAURO	10/28/2019	CATEGORY TELECOM/MODULAR	
	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY		PRODUCT DESCRIPTION PROFINET C5E 22STR SF/UTP PLTC HF TPE GRN	
COLOR VARIATIONS MAY OCCUR	SIZE A	FSCM NO. 43321	DWG. NO. TFDP503	REV. A
SCALE: N/A		CAD FILE: TFPD503.SLDDRW		SHEET 1 OF 1