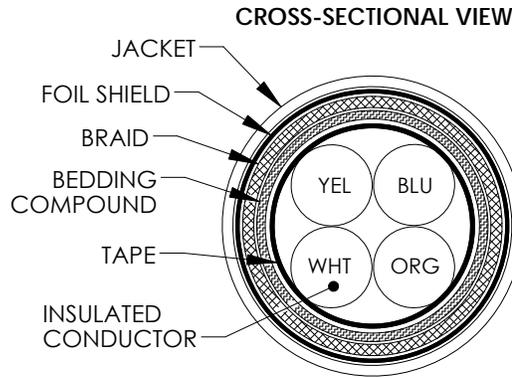


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REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
A	REV A DRAWING RELEASED	10/28/2019	DGUTTADAUR



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, .010" NOM. WALL THICKNESS
 CABLE: (4) COLOR CODED WIRES CABLED TOGETHER WITH A CLEAR POLYESTER TAPE EMBEDDED WITHIN A CORE OF THERMOPLASTIC ELASTOMER
 SHIELD: AN OVERALL SHIELD OF 38AWG TINNED COPPER BRAID (85% 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) .047" NOM. WALL THICKNESS (PRESSURE)
 OVERALL CABLE DIAMETER

NOM. DIA.
 .030"
 .050"+/- .001"
 .190"
 .305" (+/- .005")

2.PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX. 75°C
 TEMPERATURE RATING, MIN. (STATIC) -40°C
 WT./M', NOM., NET. 56.9 LBS.
 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-ER
 NEC (UL) TYPE CM
 CEC C(UL) TYPE CM

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 EXTREME HIGH FLEX PROFINET TYPE B AND C CAT 5E SHIELDED P/N 5099 (UL) TYPE PLTC-ER 4C 22AWG SF/QUAD 75C SUN RES -40C OR C(UL)US TYPE CM -- 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. 1500V RMS
 VOLTAGE RATING, MAX. 300V
 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
TFDP502-1000	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 [13]	APPROVALS	DATE	50 HIGH STREET NORTH ANDOVER, MA 01845		
	DRAWN BY DFRISIELLO	10/25/2019			CHECKED BY DGUTTADAURO
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-ER HF TPE GRN		
COLOR VARIATIONS MAY OCCUR		SIZE A	FSCM NO. 43321	DWG. NO. TFDP502	REV. A
		SCALE: N/A	CAD FILE: TFD502.SLDDRW	SHEET 1 OF 1	