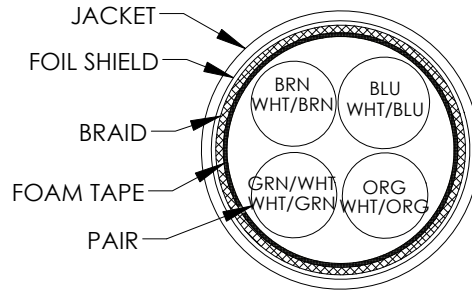


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REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
A	INITIAL RELEASE	04/23/2021	GUTTADAURO

CROSS-SECTIONAL VIEW



COLOR CODE:

- 1) BLUE x WHITE/BLUE
- 2) ORANGE x WHITE/ORANGE
- 3) GREEN/WHITE x WHITE/GREEN
- 4) BROWN x WHITE/BROWN

NOTES:

1.CONSTRUCTION:

CONDUCTOR: 22 AWG 19/.0058 STRANDED TINNED COPPER	NOM. DIA.
INSULATION: HIGH DENSITY POLYETHYLENE, .013" NOM. WALL THICKNESS	.0280"
PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS	.054"
CABLE: (4) TWISTED PAIRS TWISTED TOGETHER AND WRAPPED WITH A FOAM POLYPROPYLENE TAPE TO FORM A CABLE CORE	.108"
SHIELDS: AN OVERALL SHIELD OF 38AWG TINNED COPPER BRAID (75% MINIMUM COVERAGE), SHALL BE APPLIED OVER THE CABLE CORE. A SECOND SHIELD OF ALUMINIZED POLYESTER FOIL (FOIL IN, 100% COVERAGE) SHALL BE APPLIED OVER THE BRAID	.245"
JACKET: THERMOPLASTIC ELASTOMER, TEAL .042" NOM. WALL THICKNESS (PRESSURE)	.264"
OVERALL CABLE DIAMETER	.345" +/- .010"

2.PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX.	75°C (JACKET 105°C, 75°C OIL)
TEMPERATURE RATING, MIN. (STATIC)	-40°C (MANUFACTURER'S RECOMMENDED)
WT./M', NOM., NET.	58.4 LBS.

JACKET IS WELD SPATTER RESISTANT, JACKET IS CUTTING/MACHINING OIL RESISTANT, JACKET IS SUNLIGHT RESISTANT

FLEX LIFE: (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:

UL AWM STYLE 2463 (80C 600V), NEC (UL) TYPE PLTC, NEC (UL) TYPE ITC

4.APPLICATION:

PATCH CABLE FOR CAT5e APPLICATIONS REQUIRING A RUGGED PATCH CORD ASSEMBLY. RoHS COMPLIANT MATERIALS. U.S. PATENT NO. US 8,487,184 B2

5.PRINT:

QUABBIN DATAMAX EXTREME HI-FLEX INDUSTRIAL ETHERNET/IP PATCH CORD CAT 5e SF/UTP P/N 5921 -- U.S. PATENT NO. US 8,487,184 B2 --(UL) PLTC 4PR 22 AWG 75C(UL) SUNLIGHT RESISTANT OIL RES I & II OR ITC OR AWM 2463 80V 600V -- CE RoHS -- (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)

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

POE COMPLIANT (802.3) TO 100 METERS WHEN INSTALLED PER RECOMMENDATIONS IN TSB-184. CABLE WILL MEET CAT 5e CHANNEL REQUIREMENTS TO 100 METER LENGTH.

CAPACITANCE, MUTUAL, MAX.	13.5 PF/FT. AT 1 MHZ
DIELECTRIC WITHSTANDING, MIN.	2000V RMS
VOLTAGE RATING, MAX.	600V
D.C. RESISTANCE, MAX.	6.0 Ω
IMPEDANCE	100 +/- 15 Ω 1 - 100 MHZ

RETURN LOSS:

$1 \leq f < 10$ MHz	20 + 6 LOG (f) dB MIN
$10 \leq f < 20$ MHz	26dB MIN
$20 \leq f < 100$ MHz	26- 5 LOG(f/20) dB MIN

7.PACKAGING:

PART NUMBER	PACKAGING
TFD24C5E-TEL-100F	COIL
TFD24C5E-TEL-500F	SPOOL
TFD24C5E-TEL-1000F	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	04/23/2021		
	APPROVED BY DGUTTADAURO	04/23/2021	CATEGORY TELECOM/MODULAR	
	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY		PRODUCT DESCRIPTION Bulk C5e 4P SF/UTP POE 22STR PLTC TPE TEL	
PROJECTION 	COLOR VARIATIONS MAY OCCUR	SIZE A	FSCM NO. 43321	DWG. NO. TFD24C5E-TEL
		SCALE: N/A	CAD FILE: TFD24C5E-TELSLDRW	REV. A SHEET 1 OF 1