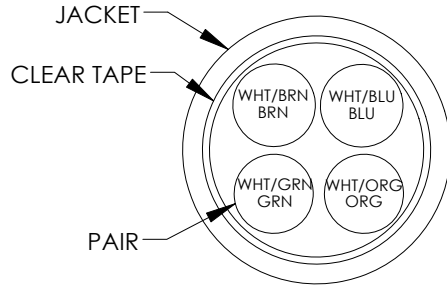


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REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
A	INITIAL RELEASE	04/23/2021	GUTTADAURO

CROSS-SECTIONAL VIEW



COLOR CODE:

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

NOTES:

1.CONSTRUCTION:

CONDUCTOR: 22 AWG 19/.0058 STRANDED TINNED COPPER
 INSULATION: HIGH DENSITY POLYETHYLENE, .010" NOM. WALL THICKNESS
 PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS
 CABLE: (4) TWISTED PAIRS TWISTED TOGETHER AND WRAPPED WITH CLEAR POLYESTER TAPE TO FORM A CABLE CORE.
 JACKET: THERMOPLASTIC ELASTOMER, BLACK .042" NOM. WALL THICKNESS (PRESSURE)
 OVERALL CABLE DIAMETER

NOM. DIA.
 .028"
 .048" MAX
 .098"
 .206"
 .290" NOM ±.005"

2.PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX. 75°C (JACKET 105°C, 75°C OIL)
 TEMPERATURE RATING, MIN. (STATIC) -40°C
 WT./M', NOM., NET. 41.5 LBS.
 JACKET IS WELD SPATTER RESISTANT, JACKET IS CUTTING/MACHINING OIL RESISTANT, JACKET IS SUNLIGHT RESISTANT

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:

UL AWM 2463 (80C 600V), NEC (UL) TYPE PLTC, NEC (UL) TYPE CMX OUTDOOR - CM,
 CEC C(UL) TYPE CMX OUTDOOR - CM, PENNSYLVANIA D.E.P.-MSHA, EU CE MARK:MEETS EU DIRECTIVE 2011/65/EU (RoHS II)

4.APPLICATION:

FOR APPLICATIONS REQUIRING A RUGGED PATCH CORD ASSEMBLY. DESIGNED TO RELIABLY TERMINATE TO M12 CONNECTORS. LOW LOSS DESIGN MEETS HORIZONTAL CABLE INSERTION LOSS ALLOWING LONG PATCH RUNS.

5.PRINT: (WHITE INK ON BLACK)

QUABBIN DATAMAX EXTREME HI-FLEX INDUSTRIAL 5e ETHERNET/IP PATCH CORD P/N 5800 – (UL) TYPE PLTC OIL RES I & II
 SUN RES OR C(UL)US TYPE CMX OUTDOOR - CM 4PR U/UTP 22AWG 75C OR AWM 2463 80C 600V – P-07-KA140018-MSHA – 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 +/- 10 Ω 1 - 100 MHZ

RETURN LOSS:

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

7.PACKAGING:

PART NUMBER	PACKAGING
TD24C5E-BLK-100F	COIL
TD24C5E-BLK-500F	SPOOL
TD24C5E-BLK-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 [1.13]	APPROVALS	DATE	50 HIGH STREET NORTH ANDOVER, MA 01845			
	DRAWN BY DFRISIELLO	04/23/2021			CATEGORY TELECOM/MODULAR	
	CHECKED BY DGUTTADAURO	04/23/2021	PRODUCT DESCRIPTION Bulk C5e 4P UTP POE 22STR PLTC-CM TPE BLK			
	APPROVED BY DGUTTADAURO	04/23/2021	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY COLOR VARIATIONS MAY OCCUR			
PROJECTION			SIZE A	FSCM NO. 43321	DWG. NO. TD24C5E-BLK	REV. A
SCALE: N/A			CAD FILE: TD24C5E-BLK.SLDDRW		SHEET 1 OF 1	