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REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	ECO-15852	7/29/2026	DMAY	GUTTADAURO

NOTES:

1.CONSTRUCTION:

CONDUCTOR: 22 AWG 19/.0058 STRANDED TINNED COPPER
 INSULATION: HIGH DENSITY POLYETHYLENE, .009" NOM. WALL THICKNESS
 PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS
 CABLE: (2) TWISTED PAIRS TWISTED TOGETHER WITH FILLER 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
 .093"
 .186"
 .270"

2.PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX. 75°C (JACKET 105°C, 75°C OIL)
 TEMPERATURE RATING, MIN. (STATIC) -40°C
 WT./M', NOM., NET. 31.3 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 REQUIREING 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 JACKET, ALL OTHERS BLACK- INK)

QUABBIN DATAMAX EXTREME INDUSTRIAL 5e ETHERNET/IP PATCH CORD P/N 5900 -- (UL) TYPE PLTC OIL RES I & II SUN RES OR C(UL)US TYPE CMX OUTDOOR - CM 2PR 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.

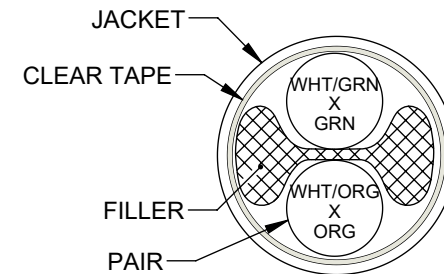
CAPACITANCE, MUTUAL, MAX. 13.5 PF/FT. AT 1 MHz
 DIELECTRIC WITHSTANDING, MIN. 1500V RMS
 VOLTAGE RATING, MAX. 600V
 D.C. RESISTANCE, MAX. 15.9 Ω /1,000 @20°C
 IMPEDANCE 100 +/- 15 Ω 1 - 100 MHz; 100 +/- 20 Ω 100 - 350MHz

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
TD22C5E-BLK-100F	COIL
TD22C5E-BLK-500F	SPOOL
TD22C5E-BLK-1000F	SPOOL



CROSS-SECTIONAL VIEW

COLOR CODE:

- 1) WHITE/GREEN x GREEN
- 2) WHITE/ORANGE x ORANGE

UNLESS OTHERWISE SPECIFIED
 LEADING DIMENSIONS ARE INCHES
 DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 .X = ± 2 [5]
 .XX = ± 0.02 [0.5]
 .XXX = ± 0.005 [0.13]
 FRACTIONS $\pm 1/32$
 ANGLES $\pm 1^\circ$

CABLE LENGTH TOLERANCES:
 ≤ 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] = $\pm 5\%$ / -0

CABLE LENGTH TOL IAW IPC A-620
 ALL DIMENSIONS ARE FOR REFERENCE ONLY
 AND SUBJECT TO CHANGE WITHOUT NOTICE
 UN-DIMENSIONED/NON-CRITICAL FEATURES
 MAY VARY IN SIZE AND LOCATION
 COLORS MAY VARY

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INTERPRET ALL DIMENSIONS AND
 TOLERANCES PER ASME Y14.5

SCALE NONE SHEET 1 OF 1

DESCRIPTION				
BULK C5e 2P UTP POE 22STR PLTC-CM TPE BLK				
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DFRISIELLO	TD22C5E-BLK	B

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