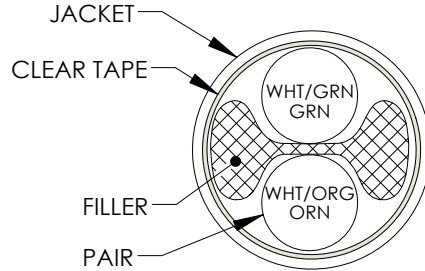


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REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
A	INITIAL RELEASE	04/23/2021	GUTTADAURO

CROSS-SECTIONAL VIEW



COLOR CODE:
 1) WHITE/GREEN x GREEN
 2) WHITE/ORANGE x ORANGE

NOTES:

1. CONSTRUCTION:
- | | |
|---|-----------|
| CONDUCTOR: 22 AWG 19/.0058 STRANDED TINNED COPPER | NOM. DIA. |
| INSULATION: HIGH DENSITY POLYETHYLENE, .009" NOM. WALL THICKNESS | .028" |
| PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS | .048" MAX |
| CABLE: (2) TWISTED PAIRS TWISTED TOGETHER WITH FILLER AND WRAPPED WITH CLEAR POLYESTER TAPE TO FORM A CABLE CORE. | .186" |
| JACKET: THERMOPLASTIC ELASTOMER, BLACK .042" NOM. WALL THICKNESS (PRESSURE) | .270" |
| OVERALL CABLE DIAMETER | |
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 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 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 -- (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.	6.0 Ω
IMPEDANCE	100 +/- 15 Ω 1 - 100 MHZ; 100 +/- 20 Ω 100 - 350MHZ

RETURN LOSS:
 $1 \leq f < 10 \text{ MHz}$ 20 + 6 LOG (f) dB MIN
 $10 \leq f < 20 \text{ MHz}$ 26dB MIN
 $20 \leq f < 100 \text{ MHz}$ 26 - 5 LOG(f/20) dB MIN

7. PACKAGING:

PART NUMBER	PACKAGING
TD22C5E-BLK-100F	COIL
TD22C5E-BLK-500F	SPOOL
TD22C5E-BLK-1000F	SPOOL

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 [1.27]	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 2P UTP POE 22STR PLTC-CM TPE BLK				
	APPROVED BY DGUTTADAURO	04/23/2021	<table border="1"> <tr> <td>SIZE A</td> <td>FSCM NO. 43321</td> <td>DWG. NO. TD22C5E-BLK</td> <td>REV. A</td> </tr> </table>	SIZE A	FSCM NO. 43321	DWG. NO. TD22C5E-BLK	REV. A
SIZE A	FSCM NO. 43321	DWG. NO. TD22C5E-BLK	REV. A				
PROJECTION 	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY	COLOR VARIATIONS MAY OCCUR	SCALE: N/A CAD FILE: TD22C5E-BLK.SLDRW SHEET 1 OF 1				