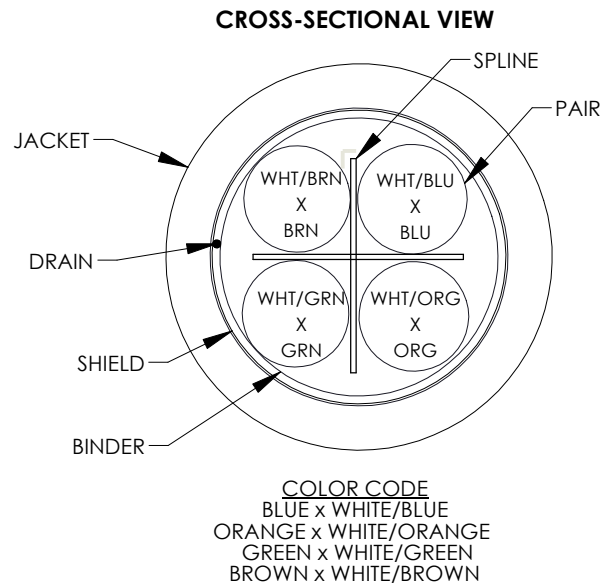
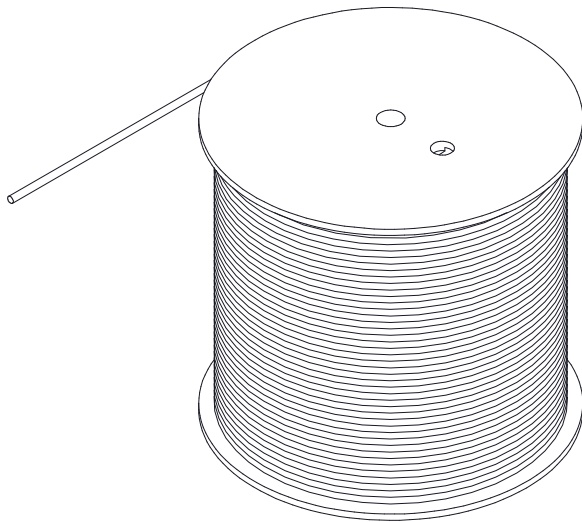


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REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
A	INITIAL RELEASE	12/22/2020	GUITADAURO
B	ECN 11132: UPDATE AS PER NEW SPECIFICATION	05/21/2021	GUITADAURO

TFC2942 CONSISTS OF 1000FEET OF CONTINUOUS LENGTH OF BULK CABLE



NOTES:

1. CONSTRUCTION:
 CONDUCTOR: 26 AWG 7/34 STRANDED TINNED COPPER
 INSULATION: POLYOLEFIN, .009" NOM. WALL THICKNESS
 PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS
 CABLE: (4) TWISTED PAIRS TWISTED TOGETHER WITH A CENTRAL SPLINE AND WRAPPED WITH A CLEAR POLYESTER BINDER TO FORM A CABLE CORE
 SHIELD: AN ALUMINIZED POLYESTER FOIL SHIELD (FOIL IN, 100% COVERAGE) WITH A 26AWG 7/34 STRANDED TINNED COPPER DRAIN WIRE IN CONTACT WITH METALIZED SURFACE SHALL BE APPLIED OVER THE CABLE CORE
 JACKET: POLYVINYLCHLORIDE, COLOR: SEE CHART 1, .024" NOM. WALL THICKNESS OVERALL CABLE DIAMETER

NOM. DIA.
 .019"
 .036"
 .072"
 .205"
 .208"
 .235" NOM.
 .240" MAX.
 (BY PI TAPE)

2. PHYSICAL PROPERTIES:
 TEMPERATURE RATING, MAX: +75 °C
 TEMPERATURE RATING, MIN: -20 °C
 WT./M', NOM., NET.: 24.5 LBS
 CHART 1:

ITEM NUMBER	JACKET COLOR	ITEM NUMBER	JACKET COLOR
TFC2942	BLACK	TFC2947	GREEN
TFC2943	BROWN	TFC2948	BLUE
TFC2944	RED	TFC2949	VIOLET
TFC2946	YELLOW	TFC2950	GRAY


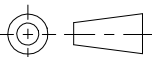
3. ELECTRICAL CHARACTERISTICS: SEE SHEET 2

4. AGENCY APPROVALS:
 NEC (UL) TYPE CMR/CMG
 CEC C(UL) TYPE CMR/CMG

5. APPLICATION:
 SHIELDED FLEXIBLE PATCH/JUMPER CABLE TO SUPPORT SCREENED 568.2-D CATEGORY 6a APPLICATIONS.
 RoHS COMPLIANT MATERIALS

6. JACKET PRINT (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK):
 QUABBIN DATAMAX 6a F/UTP 100 OHM PATCH CORD P/N (QWC P/N PER CHART 1)--TYPE CMR C(UL)US CMG 4 PR 26AWG SHIELDED 75C--FT4/IEEE 1202--CAT 6a TIA-568.2-D -- RoHS--(LOT DESIGNATOR)(SEQUENTIAL FOOTAGE)

7. PACKAGING:
 CABLE SHIPPED ON A REEL

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	 an INFINIT [®] brand 50 High Street, West Mill, North Andover, MA 01845 USA. Phone: 1.800.341.5266 1.978.682.6936
	DRAWN BY BZHANG	11/18/2020	
PROJECTION 	CHECKED BY D.CONTROL	11/18/2020	CATEGORY TELECOM/MODULAR
	APPROVED BY GUITADAURO	11/18/2020	PRODUCT DESCRIPTION C6a F/UTP 4PR/26 STR BLK PVC
	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY		
	COLOR VARIATIONS MAY OCCUR	SIZE A	FSCM NO. 43321
		DWG. NO. TFC2942	REV. B
		SCALE: NONE	CAD FILE: TFC2942.SLDRW
			SHEET 1 OF 2

3.
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3. ELECTRICAL CHARACTERISTICS:
 CAPACITANCE, MUTUAL, NOM. 13.5PF/FT AT 1MHz
 DIELECTRIC WITHSTANDING, MIN. 1500V RMS
 VOLTAGE RATING, MAX. 300V
 D.C. RESISTANCE, MAX. 42.6 OHM/1KFT(14.0 OHM/100m)

NOTE: TESTING FOR THE FOLLOWING IS CONDUCTED OFF THE REEL (FOR 100m CABLE)

IMPEDANCE, NOM.	100 ±15 OHM 1-100 MHz	
	100 ±20 OHM 100-500 MHz	
RETURN LOOS	1 ≤ f <10 MHz	20 + 5 LOG(f)dB MIN
	10 ≤ f <20 MHz	25 dB MIN
	20 ≤ f ≤500 MHz	25 - 8.6 LOG(f/20)dB MIN
PS NEXT	1 ≤ f ≤500 MHz	42.3- 15 LOG(f/100)dB MIN
NEXT	1 ≤ f ≤500 MHz	44.3 - 15 LOG(f/100)dB MIN
PS ACRF	1 ≤ f ≤500 MHz	24.8 - 20 LOG(f/100)dB MIN
ACRF	1 ≤ f ≤500 MHz	27.8 - 20 LOG(f/100)dB MIN
ATTENUATION	1 ≤ f ≤500 MHz	1.5[1.82SqRt(f) + 0.0091(f) + 0.25/SqRt(f)] dB MAX
DELAY	1 ≤ f ≤500 MHz	534 + 36/SqRt(f) ns MAX
DELAY SKEW	1 ≤ f ≤500 MHz	< 45 ns
PS ANEXT LOSS (6 AROUND 1)	1 ≤ f ≤ 500 MHz	62.5 - 15 LOG(f/100)dB 50-500MHz 67dB 1-50MHz
PS AFEXT (6 AROUND 1)	1 ≤ f ≤ 500 MHz	38.2 - 20 LOG(f/100)dB
VELOCITY OF PROPAGATION	68%	

3.

3.

		50 High Street, West Mill, North Andover, MA 01845 USA. Phone: 1.800.341.5266 1.978.682.6936	
		an INFINIT® brand	
CATEGORY TELECOM/MODULAR			
PRODUCT DESCRIPTION C6a F/UTP 4PR/26 STR BLK PVC			
SIZE A	FSCM NO. 43321	DWG. NO. TFC2942	REV. B
SCALE: NONE CAD FILE: TFC2942.SLDDRW			SHEET 2 OF 2