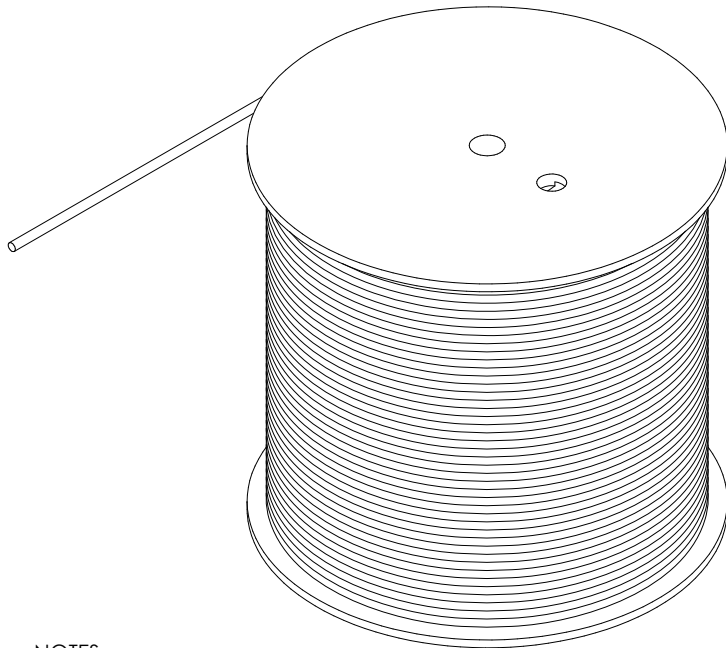


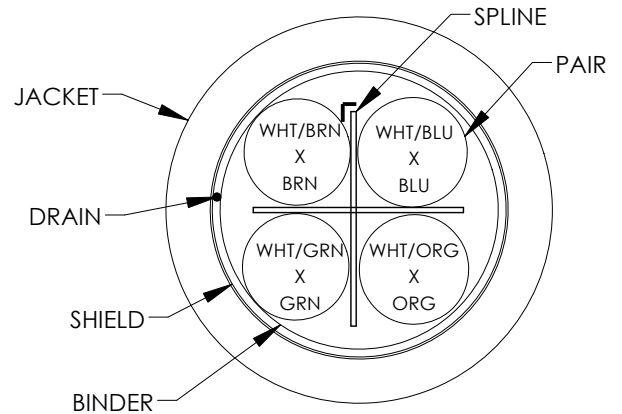
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
B	ECN 10744, UPT PER VENDOR SPEC, NEW FORMAT	10/23/2020	GUITADAURO
C	ECN 11118 UPDATE PER VENDOR SPEC	04/30/2021	GUITADAURO

TFCLS6005-BLU CONSISTS OF 1000FEET OF CONTINUOUS LENGTH OF BULK CABLE



CROSS-SECTIONAL VIEW

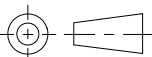


COLOR CODE
BLUE x WHITE/BLUE
ORANGE x WHITE/ORANGE
GREEN x WHITE/GREEN
BROWN x WHITE/BROWN

NOTES:

- CONSTRUCTION:
CONDUCTOR: 26 AWG 7/34 STRANDED TINNED COPPER
INSULATION: HIGH DENSITY POLYETHYLENE, .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: LOW SMOKE ZERO HALOGEN, COLOR: BLUE, .032" NOM. WALL THICKNESS OVERALL CABLE DIAMETER
- PHYSICAL PROPERTIES:
TEMPERATURE RATING, MAX: +75 °C
TEMPERATURE RATING, MIN: -20 °C
FLAME RATING: VW-1
CORROSIVE GAS: IEC 60754-2
SMOKE EMISSION: IEC 61034-1&-2
WT./M', NOM., NET.: 30.1 LBS
BEND RADIUS, MIN.: 1"
(STATIC, 1 BEND IN ASSEMBLY)
- ELECTRICAL CHARACTERISTICS: SEE SHEET 2
- AGENCY APPROVALS:
NEC (ETL) TYPE CMX
CEC C(ETL) TYPE CMX
- APPLICATION:
SHIELDED FLEXIBLE PATCH/JUMPER CABLE TO SUPPORT SCREENED 568.2-D CATEGORY 6a APPLICATIONS.
RoHS COMPLIANT MATERIALS
- JACKET PRINT (BLACK):
QUABBIN DATAMAX 6a F/UTP 100 OHM PATCH CORD P/N (MANUFACTURER P/N)--LOW SMOKE ZERO HALOGEN
TIA-568.2-D CAT 6a--C(ETL) US TYPE CMX 75C 26AWG--VW-1-- RoHS--(LOT DESIGNATOR)(SEQUENTIAL FOOTAGE)
- PACKAGING:
CABLE SHIPPED ON A REEL

NOM. DIA.
.019"
.036"
.072"
.205"
.208"
.265" NOM.
.275" MAX.
(BY PI TAPE)

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 INFINITI® brand 50 High Street, West Mill, North Andover, MA 01845 USA. Phone: 1.800.341.5266 1.978.682.6936	
	DRAWN BY B.ZHANG	10/23/2020		
	CHECKED BY D.CONTROL	10/23/2020		
	APPROVED BY GUITADAURO	10/23/2020		
PROJECTION 	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY		CATEGORY TELECOM/MODULAR	
	COLOR VARIATIONS MAY OCCUR		PRODUCT DESCRIPTION C6a F/UTP 4PR/26 STR LSZH BLU	
SIZE A		FSCM NO. 43321	DWG. NO. TFCLS6005-BLU	REV. C
SCALE: NONE		CAD FILE: TFCLS6005-BLU.SLDDRW		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/1,000FT(14.0 OHM/100m)

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

IMPEDANCE	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
INSERTION LOSS	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	
CATEGORY		TELECOM/MODULAR	
PRODUCT DESCRIPTION		C6a F/UTP 4PR/26 STR LSZH BLU	
SIZE	FSCM NO.	DWG. NO.	REV.
A	43321	TFCLS6005-BLU	C
SCALE: 1:4	CAD FILE: TFCLS6005-BLU.SLDDRW		SHEET 2 OF 2