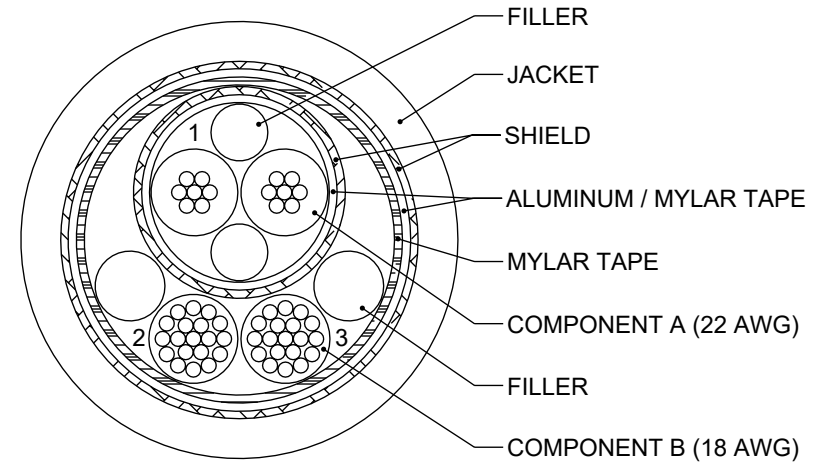


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REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	06/15/2023	SREITER	GUTTADAURO

- CONSTRUCTION:
 - ASSEMBLY: 1 PAIR COMPONENT A, 2 CORES COMPONENT B
 - JACKET:
 - MATERIAL: TPU
 - OVERALL DIAMETER: 7.5 ± 0.30 mm
 - THICKNESS: MIN. 0.50 mm
 - COLOR: GREEN
 - COMPONENT A (DATA):
 - CONDUCTOR: BARE COPPER WIRE 7/ 0.25 ± 0.008 mm (22 AWG)
 - INSULATION: FOAM PE
 - DIELECTRIC CORE OD: 1.75 ± 0.05 mm
 - FILLER: PE FILLER
 - SHIELD: AL-PET (NOM. 25% OVERLAP, AL SIDE FACE-OUT) TINNED COPPER WIRE BRAIDING (NOM. 90% COVERAGE)
 - COLOR CODE:
 - WHITE / BLUE
- COMPONENT B (DATA):
 - CONDUCTOR: BARE COPPER WIRE 19/ 0.25 ± 0.008 mm (18 AWG)
 - INSULATION: PP
 - DIELECTRIC CORE OD: 1.65 ± 0.05 mm
 - FILLER: PE FILLER / ARAMID YARN
 - SHIELD: AL-PET (NOM. 25% OVERLAP, AL SIDE FACE-OUT) TINNED COPPER WIRE BRAIDING (NOM. 90% COVERAGE)
- COLOR CODE:
 - RED
 - BLACK



CROSS-SECTIONAL
VIEW

CABLE LENGTH		
PART NO.	FEET	METERS
TSPEH01-05M	16.4	5
TSPEH01-10M	32.8	10

- MECHANICAL PROPERTIES:
 - BEND RADIUS:
 - $\geq 4X$ OD WITHOUT LOAD
 - $\geq 8X$ OD WITH LOAD
 - TEMPERATURE RANGE:
 - DURING OPERATION: -40°C UP TO 80°C
 - DURING INSTALLATION: 0°C UP TO 50°C

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] FRACTIONS .XX = ± .02 [.5] ± 1/32 .XXX = ± .005 [.13] ANGLES ± 1° THIRD-ANGLE PROJECTION 	APPROVALS	DATE	L-com™ an INFINIT® brand	50 High Street, West Mill, North Andover, MA 01845 USA. Phone: 1.800.341.5266 1.978.682.6936	
	DRAWN BY SREITER	06/15/2023			
	CHECKED BY DGUST	06/15/2023	CATEGORY		
	APPROVED BY GUTTADAURO	06/15/2023	BULK CABLE		
CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY		PRODUCT DESCRIPTION			
		SINGLE PAIR ETHERNET HYBRID (SPE) BULK SF/TP 22AWG STRANDED DATA PAIR + 2X18AWG POWER, TPU GREEN, PER METER			
COLOR VARIATIONS MAY OCCUR		SIZE	CAGE CODE	ITEM NO.	REV.
		A	43321	TSPEH01	A
		SCALE: NONE		CAD FILE: TSPEH01.SLDDRW	SHEET 1 OF 2

8 7 6 5 4 3 2 1

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REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	06/15/2023	SREITER	GUTTADAURO

1. TRANSMISSION PERFORMANCE ACC. TO IEC 61156-12 (AT 20°C / 100 m):

	FREQUENCY	IMPEDANCE (Ω)	INSERTION LOSS (dB) MAX.	RETURN LOSS (dB) MIN.	PROPAGATION DELAY (ns) MAX.
1.	1	100 ±15	3.1	20.0	570
2.	4	100 ±15	5.6	23.0	552
3.	10	100 ±15	8.7	25.0	545
4.	16	100 ±15	11.0	25.0	543
5.	20	100 ±15	12.2	25.0	542
6.	31.25	100 ±15	15.5	23.2	541
7.	62.5	100 ±15	21.8	20.8	538
8.	100	100 ±15	27.8	19.0	538
9.	125	100 ±15	31.2	18.2	537
10.	200	100 ±15	39.7	16.4	537
11.	250	100 ±15	44.6	15.6	536
12.	300	100 ±15	49.0	15.6	536
13.	500	100 ±15	64.1	15.6	536
14.	600	100 ±15	70.7	15.6	536
15.					

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] FRACTIONS ± 1/32 .XX = ± .02 [.5] ANGLES ± 1° .XXX = ± .005 [.13] THIRD-ANGLE PROJECTION 	APPROVALS	DATE	L-com™ an INFINITI® brand		50 High Street, West Mill, North Andover, MA 01845 USA. Phone: 1.800.341.5266 1.978.682.6936	
	DRAWN BY SREITER	06/15/2023				
	CHECKED BY DGUST	06/15/2023	CATEGORY			
	APPROVED BY GUTTADAURO	06/15/2023	BULK CABLE			
	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY		PRODUCT DESCRIPTION			
		SINGLE PAIR ETHERNET HYBRID (SPE) BULK SF/TP 22AWG STRANDED DATA PAIR + 2X18AWG POWER, TPU GREEN, PER METER				
COLOR VARIATIONS MAY OCCUR		SIZE A	CAGE CODE 43321	ITEM NO. TSPEH01	REV. A	
		SCALE: NONE		CAD FILE: TSPEH01.SLDDRW		
				SHEET 2 OF 2		