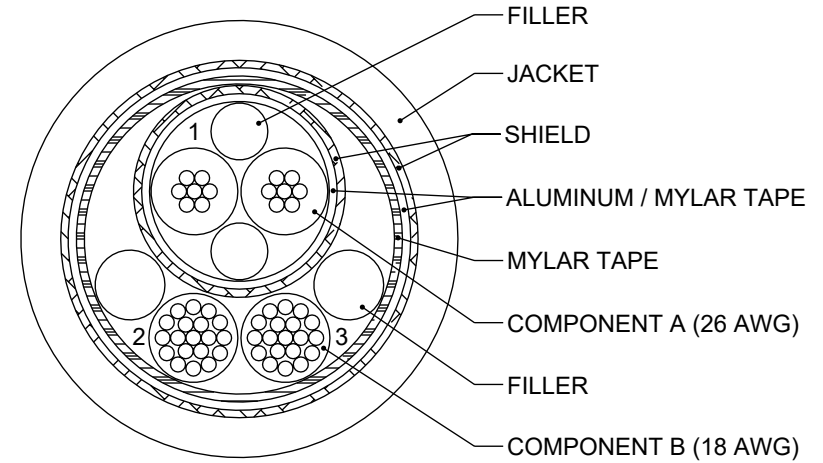


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REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	06/15/2023	SREITER	GUTTADAURO

1. CONSTRUCTION:
 1. ASSEMBLY: 1 PAIR COMPONENT A, 2 CORES COMPONENT B
 2. JACKET:
 1. MATERIAL: TPU
 2. OVERALL DIAMETER: 6.5 ±0.30 mm
 3. THICKNESS: MIN. 0.50 mm
 4. COLOR: GREEN
 3. COMPONENT A (DATA):
 1. CONDUCTOR: BARE COPPER WIRE 7/ 0.16 ±0.008 mm (26 AWG)
 2. INSULATION: FOAM PE
 3. DIELECTRIC CORE OD: 1.06 ±0.05 mm
 4. FILLER: PE FILLER
 5. SHIELD: AL-PET (NOM. 25% OVERLAP, AL SIDE FACE-OUT) TINNED COPPER WIRE BRAIDING (NOM. 85% COVERAGE)
 6. COLOR CODE:
 1. WHITE / BLUE
 4. COMPONENT B (DATA):
 1. CONDUCTOR: BARE COPPER WIRE 19/ 0.25 ±0.008 mm (18 AWG)
 2. INSULATION: PP
 3. DIELECTRIC CORE OD: 1.65 ±0.05 mm
 4. FILLER: PE FILLER / ARAMID YARN
 5. SHIELD: AL-PET (NOM. 25% OVERLAP, AL SIDE FACE-OUT) TINNED COPPER WIRE BRAIDING (NOM. 90% COVERAGE)
 6. COLOR CODE:
 2. RED
 3. BLACK



CROSS-SECTIONAL VIEW

CABLE LENGTH		
PART NO.	FEET	METERS
TSPEH02-05M	16.4	5
TSPEH02-10M	32.8	10

2. MECHANICAL PROPERTIES:
 1. BEND RADIUS:
 1. ≥4X OD WITHOUT LOAD
 2. ≥8X OD WITH LOAD
 2. TEMPERATURE RANGE:
 3. DURING OPERATION: -40°C UP TO 80°C
 4. 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 ± 1/32
 .XX = ± .02 [.5] | ANGLES ± 1°
 .XXX = ± .005 [.13]

THIRD-ANGLE PROJECTION

APPROVALS	DATE
DRAWN BY SREITER	06/15/2023
CHECKED BY DGUST	06/15/2023
APPROVED BY GUTTADAURO	06/15/2023

L-com
an INFINIT® brand

50 High Street, West Mill,
North Andover, MA 01845 USA.
Phone: 1.800.341.5266
1.978.682.6936

CATEGORY

BULK CABLE

PRODUCT DESCRIPTION

SINGLE PAIR ETHERNET HYBRID (SPE) BULK SF/TP 26AWG STRANDED DATA PAIR + 2X18AWG POWER, TPU GREEN, PER METER

SIZE	CAGE CODE	ITEM NO.	REV.
A	43321	TSPEH02	A

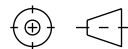

SCALE: NONE | CAD FILE: TSPEH02.SLDDRW | SHEET 1 OF 2

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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

<p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [mm]</p> <p>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</p> <p>ALL OTHER DIMENSIONAL TOLERANCES: .X = ± .2 [5] FRACTIONS ± 1/32 .XX = ± .02 [.5] ANGLES ± 1° .XXX = ± .005 [.13]</p> <p>THIRD-ANGLE PROJECTION</p> 	APPROVALS	DATE	 <p>50 High Street, West Mill, North Andover, MA 01845 USA. Phone: 1.800.341.5266 1.978.682.6936</p>	
	DRAWN BY SREITER	06/15/2023		<p>CATEGORY</p> <p>BULK CABLE</p>
	CHECKED BY DGUST	06/15/2023		
	APPROVED BY GUTTADAURO	06/15/2023		
CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY	PRODUCT DESCRIPTION		<p>SINGLE PAIR ETHERNET HYBRID (SPE) BULK SF/TP 26AWG STRANDED DATA PAIR + 2X18AWG POWER, TPU GREEN, PER METER</p>	
COLOR VARIATIONS MAY OCCUR	SIZE A	CAGE CODE 43321		ITEM NO. TSPEH02
SCALE: NONE		CAD FILE: TSPEH02.SLDDRW		SHEET 2 OF 2