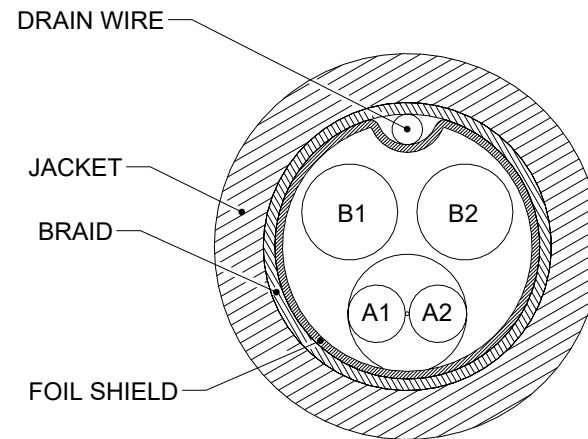


REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
D4	H	ECO-14457	03/31/2025	AKRESOWSKI	DGUST

USB BULK CABLE SPECIFICATION

DESCRIPTION: USB CABLE REV 2.0		
ITEM	COMPONENT A	COMPONENT B
CONSTRUCTION AWG	28 AWG	28 AWG
CONDUCTORS	CONDUCTOR SIZE	7/.005 ± .0003 [.127 ± .008]
	MATERIAL	STRANDED TINNED COPPER
INSULATION	MATERIAL	POLYOLEFIN
	DIAMETER, IN [MM]	.031 ± .003 [.78 ± .08]
TAPE	MATERIAL	ALUMINUM MYLAR
	COVERAGE, %	125
BRAID SHIELD	MATERIAL	TINNED COPPER
	COVERAGE, %	65
DRAIN WIRE	CONDUCTOR SIZE	7/.005 ± .0003 [.127 ± .008] (28AWG)
	MATERIAL	STRANDED TINNED COPPER
JACKET	MATERIAL	PVC
	DIAMETER, IN [MM]	.130 ± .008 [3.3 ± 0.2]
MARKING	COLOR	BLACK
	USB Revision 2.0 SHIELDED 28 AWG/2C+28 AWG/2C (UL) AWM 2725 80°C 30V VW-1 Exxxxx WWW.L-COM.COM	
ELECTRICAL PROPERTIES		
ITEM	COMPONENT A	COMPONENT B
CONDUCTOR RESISTANCE	239 Ω/KM @ 68°F [20°C] MAX	239 Ω/KM @ 68°F [20°C] MAX
INSULATION RESISTANCE	100 MΩ-KM @ 68°F [20°C] MIN	100 MΩ-KM @ 68°F [20°C] MIN
DIELECTRIC STRENGTH	500 VAC/1 MIN	500 VAC/1 MIN
IMPEDANCE	90 Ω ± 15%	/
VOLTAGE RATING	30V	
PHYSICAL PROPERTIES		
OPERATING TEMPERATURE RANGE	- 4°F [-20°C] TO 140°F [60°C]	
STORAGE TEMPERATURE RANGE	- 4°F [-20°C] TO 176°F [80°C]	
MIN. BEND RADUIS	10X OD	
FLAME TEST	VW-1	
PACKAGING: 100.0 FT/LOGO BAG; 500.0 FT/SPOOL W/STRETCH WRAP; 1,000.0 FT/ W/STRETCH WRAP		
CABLE TO BE REACH AND RoHS COMPLIANT		



CROSS-SECTIONAL VIEW

COLOR CODE

- A1. WHITE
- A2. GREEN
- B1. BLACK
- B2. RED

MODEL NO.	LENGTH
CBL-USB2-2828-100	100 FEET
CBL-USB2-2828-500	500 FEET
CBL-USB2-2828-1000	1000 FEET


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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 X = ±.2 [5] FRACTIONS
 .XX = ±.02 [0.5] ± 1/32
 .XXX = ±.005 [0.13] ANGLES ± 1°

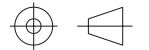
CABLE LENGTH TOLERANCES:
 ≤12 [305] = +1 [25] / -0
 >12 [305] ≤ 60 [1524] = +2 [51] / -0
 >60 [1524] ≤ 120 [3048] = +4 [102] / -0
 >120 [3048] ≤ 300 [7620] = +6 [152] / -0
 >300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UN-DIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION COLORS MAY VARY



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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

DESCRIPTION

CABLE, USB 2.0

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	D. PARHAM	CBL-USB2-2828	H