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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]	7/.005 ± .0003 [.127 ± .008]
	MATERIAL	STRANDED TINNED COPPER	STRANDED TINNED COPPER
INSULATION	MATERIAL	POLYOLEFIN	POLYOLEFIN
	DIAMETER, IN [MM]	.031 ± .003 [.78 ± .08]	.026 ± .003 [.65 ± .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]	
	COLOR	BLACK	
MARKING	USB Revision 2.0 SHIELDED 28 AWG/2C+28 AWG/2C (UL) AWM 2725 80°C 30V VW-1 Exxxxxx 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			

DRAIN WIRE

JACKET

BRAID

FOIL SHIELD

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

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

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