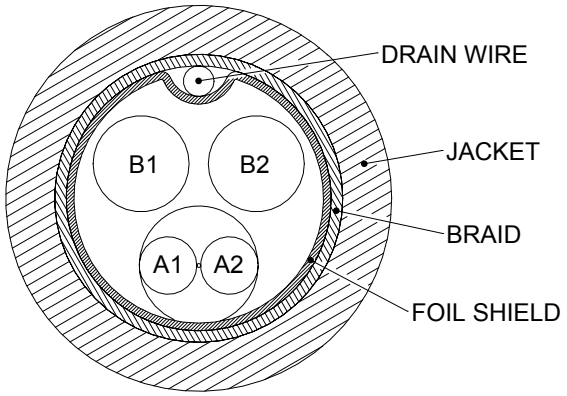
MODEL NO.	LENGTH
CBL-USB2-2828-100	100 FEET
CBL-USB2-2828-500	500 FEET
CBL-USB2-2828-1000	1000 FEET

L-com Specification/Procedure
CBL-USB2-2828
Revision: F
ECN 8774
Revision Date: 5/18/2017
Revised By: R.CLARK

USB BULK CABLE SPECIFICATION

CROSS-SECTIONAL VIEW



COLOR CODE

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

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]	.126±.006 [3.20±.15]	
	COLOR	BLACK	
MARKING	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 176°F [80°C]
STORAGE TEMPERATURE RANGE	- 4°F [-20°C] TO 140°F [60°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 △F