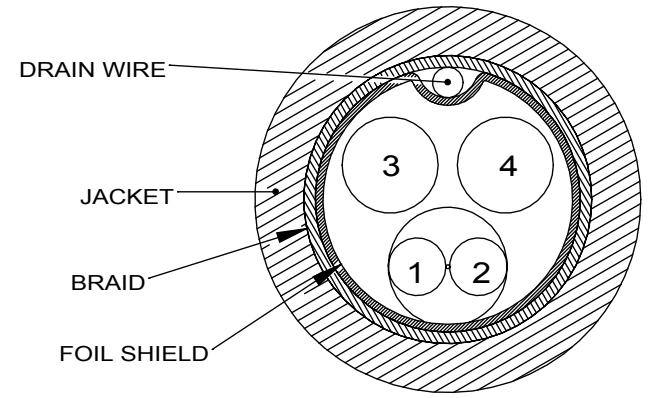
MODEL NO.	LENGTH
CBL-USBZ-2820-100	100 FEET
CBL-USBZ-2820-500	500 FEET
CBL-USBZ-2820-1000	1,000 FEET

L-com Specification/Procedure
CBL-USBZ-2820
Revision:B
ECN 8184
Revision Date: 11/27/15
Revised By: S.LI

USB BULK CABLE SPECIFICATION

CROSS-SECTIONAL VIEW



COLOR CODE

1. WHITE
2. LIGHT GREEN
3. BLACK
4. RED

DESCRIPTION: USB CABLE REV 2.0

ITEM		COMPONENT A	COMPONENT B
CONSTRUCTION AWG		28 AWG	20 AWG
CONDUCTORS	CONDUCTOR SIZE	7/.005±.0003[.127±.008]	7/.013±.0003 [.32±.008]
	MATERIAL	STRANDED TINNED COPPER	STRANDED TINNED COPPER
INSULATION	MATERIAL	POLYOLEFIN	POLYOLEFIN
	DIAMETER, IN [MM]	.031±.003 [.78±.08]	.060±.003 [1.52±.08]
TAPE	MATERIAL	ALUMINUM MYLAR	
	COVERAGE, %	125	
BRAID SHIELD	MATERIAL	TINNED COPPER	
	COVERAGE, %	65	
DRAIN WIRE	MATERIAL	28 AWG TINNED COPPER	
	COVERAGE, %	65	
JACKET	MATERIAL	HALOGEN FREE	
	DIAMETER, IN [MM]	.201±.006 [5.1±.15]	
	COLOR	BLACK	
MARKING (WHITE)	USB Revision 2.0 SHIELDED 28 AWG/2C+20 AWG/2C (UL) AWM 21100 80°C 30V VW-1 Exxxxx WWW.L-COM.COM		

B

ELECTRICAL PROPERTIES		
ITEM	COMPONENT A	COMPONENT B
CONDUCTOR RESISTANCE	237 Ω/KM @ 68˚F [20˚C] MAX	34.6 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
B IMPEDANCE	90 Ω ± 15%	/
VOLTAGE RATING	30V	

PHYSICAL PROPERTIES B	
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