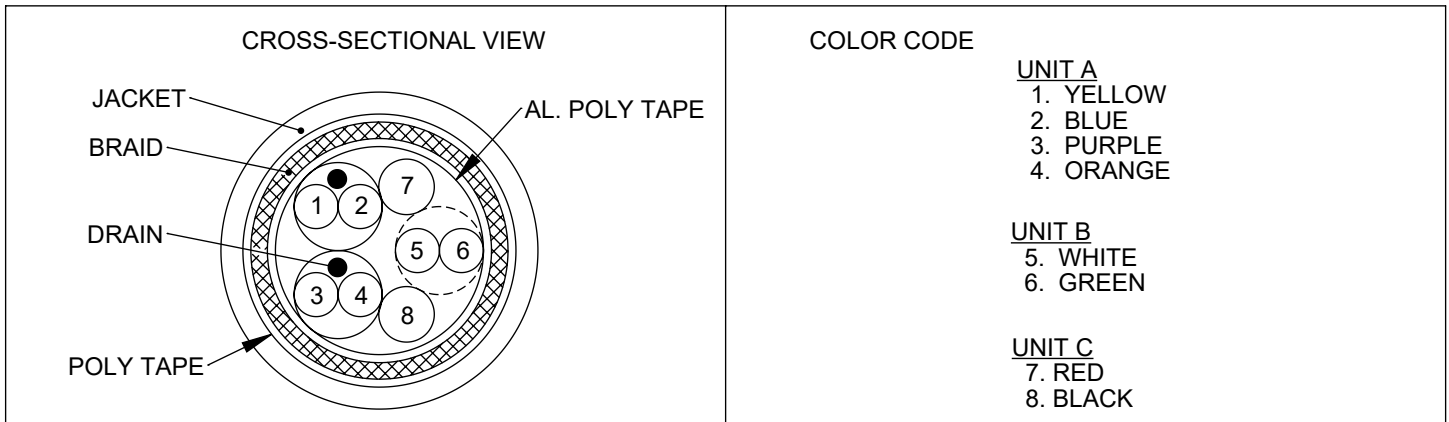


USB BULK CABLE SPECIFICATION



DESCRIPTION: UL STYLE 21551, USB BULK 3.0 30/24 LSZH BLK

ITEM	UNIT A	UNIT B	UNIT C	
CONSTRUCTION AWG	30 AWG	30 AWG	24 AWG	
CONDUCTORS	CONDUCTOR SIZE, IN [MM]	7/.004 ± .0003 [.10 ± .008]	7/.004 ± .0003 [.10 ± .008]	7/.008 ± .0003 [.20 ± .008]
	MATERIAL	TINNED COPPER	TINNED COPPER	TINNED COPPER
INSULATION	MATERIAL	FM-PE+SKIN	HD-PE	HD-PE
	MIN. AVG. THICK, IN [MM]	.007 [.17]	.004 [.10]	.009 [.23]
	DIAMETER, IN [MM]	.028 ± .003 [.70 ± .08]	.022 ± .003 [.55 ± .08]	.043 ± .003 [1.10 ± .08]
DRAIN	MATERIAL	TINNED COPPER	-	-
	CONDUCTOR SIZE, IN [MM]	7/.004 ± .0003 [.10 ± .008]	-	-
INNER TAPE	MATERIAL	AL. POLY + TRANS. POLY	-	-
	COVERAGE	100%		
	OVERLAP	25% MIN.	-	-
OUTER TAPE	MATERIAL	AL. POLY TAPE		
	COVERAGE	100%		
	OVERLAP	25% MIN.		
BRAID SHIELD	MATERIAL	TINNED COPPER		
	SIZE	16*6/.004 ± .0003 [.10 ± .008] (65% MIN.)		
POLY TAPE	COVERAGE	100%		
	OVERLAP	25% MIN.		
JACKET	MATERIAL	LSZH		
	AVG. THICK, IN [MM]	.020 [.51] REF.		
	DIAMETER, IN [MM]	.217 ± .006 [5.5 ± .15]		
	COLOR	BLACK		
MARKING	USB 3.0 LSZH Cable (UL FILE NUMBER) AWM 21551 80°C 30V VW-1 L-COM			

USB BULK CABLE SPECIFICATION

DESCRIPTION: UL STYLE 21551, USB BULK 3.0 30/24 LSZH BLK

ELECTRICAL CHARACTERISTICS

1. VOLTAGE RATING: 30V
2. CONDUCTOR RESISTANCE: 397 Ω/KM MAX. AT 20°C(30AWG); 94.2 Ω/KM MAX. AT 20°C(24AWG)
3. INSULATION RESISTANCE: 100 MΩ-KM MIN. AT 20°C
4. DIELECTRICAL STRENGTH: 500VAC/1 MINUTE

USB2.0 UNSHIELD TWIST PAIR

5. DIFFERENTIAL IMPEDANCE: 90Ω±15%
6. DELAY: 5.2 ns/M
7. DELAY SKEW: 100ps
8. ATTENUATION:

FREQ.(MHZ)	.064	.256	.512	.772	1	4	8	12	24	48	96	200	400
dB/cable	.08	.11	.13	.15	.20	.39	.57	.67	.95	1.35	1.90	3.2	5.8

USB3.0 SHIELD TWIST PAIR

9. DIFFERENTIAL IMPEDANCE: 90±7Ω
10. INTRA-PAIR SKEW: 15ps/M
11. ATTENUATION:

FREQ.(MHZ)	100	1250	2500	7500
dB/1.5M	1.5	5.0	7.5	25

12. DIFFERENTIAL TO COMMON MODE: 20 dB/cable @0.1~7.5GHz

PHYSICAL CHARACTERISTICS

1. STORAGE TEMPERATURE: -10°C~+80°C
2. OPERATING TEMPERATURE: -10°C~+80°C
3. MIN BEND RADIUS: 15X OD
4. FLAME RATING: IEC 60332-1
5. CORROSIVE GAS: IEC 60754
6. SMOKE EMISSION: IEC 61034
7. CABLE TO BE RoHS COMPLIANT.

PACKAGE

MODEL NO.	LENGTH	PACKAGING
BU3LZ-3024BK-100F	100 FEET	POLY BAG
BU3LZ-3024BK-500F	500 FEET	POLY BAG or SPOOL
BU3LZ-3024BK-1000F	1,000 FEET	POLY BAG or SPOOL