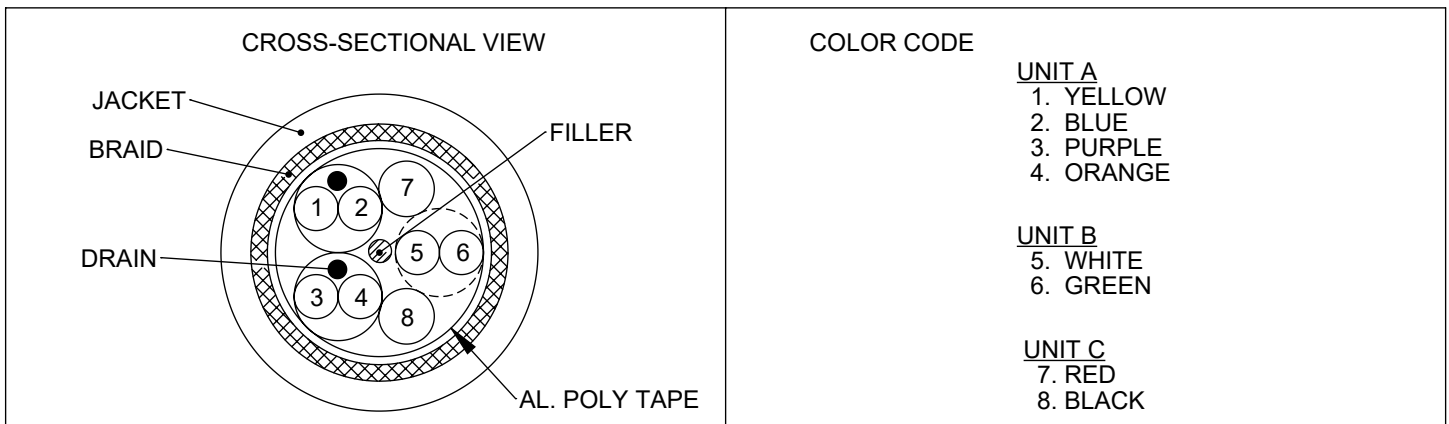


USB BULK CABLE SPECIFICATION



DESCRIPTION: USB BULK 3.0 HIGH FLEX 30/24 TPE BLK

ITEM	UNIT A	UNIT B	UNIT C	
CONSTRUCTION AWG	30 AWG	30 AWG	24 AWG	
CONDUCTORS	CONDUCTOR SIZE, IN [MM]	19/.002 ± .0003 [.06 ± .008]	19/.002 ± .0003 [.06 ± .008]	41/.003 ± .0003 [.08 ± .008]
	MATERIAL	TINNED COPPER	TINNED COPPER	TINNED COPPER
	DIAMETER, IN [MM]	.012 [.30]	.012 [.30]	.023 [.59]
INSULATION	MATERIAL	HDPE	PP	PP
	AVG. THICK, IN [MM]	.009 [.24]	.005 [.13]	.008 [.20]
	DIAMETER, IN [MM]	.031 ± .002 [.78 ± .05]	.022 ± .002 [.55 ± .05]	.039 ± .002 [1.0 ± .05]
DRAIN	MATERIAL	TINNED COPPER	-	-
	CONDUCTOR SIZE, IN [MM]	19/.002 ± .0003 [.06 ± .008]	-	-
INNER TAPE	MATERIAL	AL. POLY + HOT-PET	-	-
	OVERLAP	25% MIN.	-	-
FILLER	MATERIAL	COTTON		
OUTER TAPE	MATERIAL	AL. POLY TAPE		
	OVERLAP	25% MIN.		
BRAID SHIELD	MATERIAL	TINNED COPPER		
	SIZE	16*6/.004 ± .0003 [.10 ± .008]		
JACKET	MATERIAL	TPE		
	AVG. THICK, IN [MM]	.030 [.75] REF.		
	DIAMETER, IN [MM]	.217 ± .006 [5.5 ± .15]		
	COLOR	BLACK		
MARKING	-			

USB BULK CABLE SPECIFICATION

DESCRIPTION: USB BULK 3.0 HIGH FLEX 30/24 TPE BLK

ELECTRICAL CHARACTERISTICS

1. VOLTAGE RATING: 30V
2. CONDUCTOR RESISTANCE: 381 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: -20°C~+90°C
2. OPERATING TEMPERATURE: -10°C~+70°C
3. MIN BEND RADIUS: 10X OD
4. FLAME TEST: UL VW-1
5. BENDING TEST: 10,000 cycles MIN. (LOAD=250g, R=12.7mm, ANGLE=±90°, FREQ.=14cycles/min)
6. CABLE TO BE RoHS COMPLIANT.

PACKAGE

MODEL NO.	LENGTH	PACKAGING
BU3HF-3024BK-100F	100 FEET	POLY BAG
BU3HF-3024BK-500F	500 FEET	POLY BAG or SPOOL
BU3HF-3024BK-1000F	1,000 FEET	POLY BAG or SPOOL