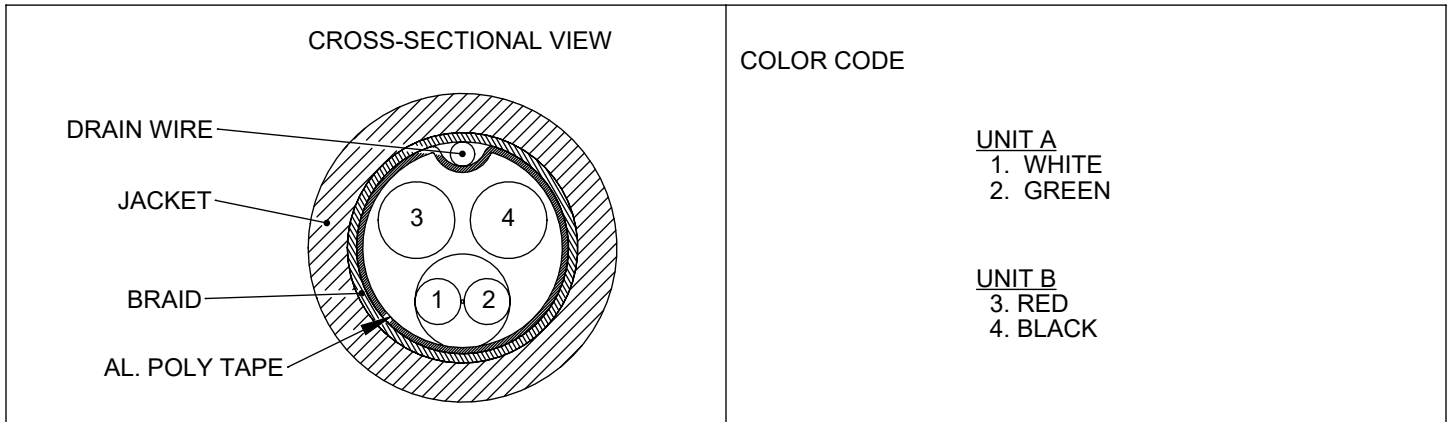


USB BULK CABLE SPECIFICATION



DESCRIPTION: USB BULK 2.0 OUTDOOR 28/24 PVC BLK

ITEM	UNIT A	UNIT B
CONSTRUCTION AWG	28 AWG - TWISTED PAIR	24 AWG
CONDUCTORS	CONDUCTOR SIZE, IN [MM]	71.005±.0003 [.127±.008]
	MATERIAL	TINNED COPPER
INSULATION	MATERIAL	HD-PE
	MIN. AVG. THICK, IN [MM]	.009 [.23]
	DIAMETER, IN [MM]	.035±.003 [.90±.08]
TAPE	MATERIAL	AL. POLY TAPE
	COVERAGE	100%
	OVERLAP	25% MIN.
DRAIN WIRE	AWG	28 AWG
	MATERIAL	TINNED COPPER
	CONDUCTOR SIZE, IN [MM]	71.005±.0003 [.127±.008]
BRAID SHIELD	MATERIAL	TINNED COPPER
	SIZE	16*9.004±.0003 [.10±.008]
	COVERAGE	85% MIN.
JACKET	MATERIAL	HALF MATT PVC(UV RESISTANCE)
	AVG. THICK, IN [MM]	.012 [.30] REF.
	DIAMETER, IN [MM]	.177±.008 [4.5±.20]
	COLOR	BLACK
MARKING	USB SHIELDED HIGH SPEED CABLE 2.0 REVISION 28AWG/1P+24AWG/2C (UL FILE NUMBER) (UL) TYPE CM 75°C (CSA FILE NUMBER) CSA TYPE CMG 75°C FT4 LM (UV)	

USB BULK CABLE SPECIFICATION

DESCRIPTION: USB BULK 2.0 OUTDOOR 28/24 PVC BLK

ELECTRICAL CHARACTERISTICS

1. VOLTAGE RATING: 30V
2. CONDUCTOR RESISTANCE: 239 Ω/KM MAX. AT 20°C(28AWG); 94.2 Ω/KM MAX. AT 20°C(24AWG)
3. INSULATION RESISTANCE: 100 MΩ-KM MIN. AT 20°C(HD-PE); 10 MΩ-KM MIN. AT 20°C(SR-PVC)
4. DIELECTRICAL STRENGTH: 500VAC/1 MINUTE

USB2.0 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

PHYSICAL CHARACTERISTICS

1. STORAGE TEMPERATURE: -10°C~+80°C
2. OPERATING TEMPERATURE: -10°C~+80°C
3. MIN BEND RADIUS: 15X OD
4. CABLE TO BE RoHS COMPLIANT.

PACKAGE

MODEL NO.	LENGTH	PACKAGING
BU20-2824BK-100F	100 FEET	POLY BAG
BU20-2824BK-500F	500 FEET	POLY BAG or SPOOL
BU20-2824BK-1000F	1,000 FEET	POLY BAG or SPOOL