

USB BULK CABLE SPECIFICATION

CROSS-SECTIONAL VIEW JACKET BRAID DRAIN FILLER AL. POLY TAPE		COLOR CODE UNIT A 1. YELLOW 2. BLUE 3. PURPLE 4. ORANGE UNIT B 5. WHITE 6. GREEN UNIT C 7. RED 8. BLACK		
DESCRIPTION: UL STYLE 2725, USB BULK 3.1 OUTDOOR 32/26 PVC BLK				
ITEM		UNIT A	UNIT B	UNIT C
CONSTRUCTION AWG		32 AWG	32 AWG	26 AWG
CONDUCTORS	CONDUCTOR SIZE, IN [MM]	7/.003±.0003 [.08±.008]	7/.003±.0003 [.08±.008]	7/.006±.0003 [.16±.008]
	MATERIAL	TINNED COPPER	TINNED COPPER	TINNED COPPER
	DIAMETER, IN [MM]	.009 [.24]	.009 [.24]	.019 [.48]
INSULATION	MATERIAL	PE	HDPE	PP
	AVG. THICK, IN [MM]	.008 [.21]	.004 [.11]	.006 [.16]
	DIAMETER, IN [MM]	.026±.002 [.65±.05]	.026±.002 [.45±.05]	.031±.002 [.80±.05]
DRAIN	MATERIAL	TINNED COPPER	-	-
	CONDUCTOR SIZE, IN [MM]	7/.003±.0003 [.08±.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*4/.004±.0003 [.10±.008] (60%)		
JACKET	MATERIAL	PVC (UV RESISTANCE)		
	AVG. THICK, IN [MM]	.016 [.40] REF.		
	DIAMETER, IN [MM]	.165±.006 [4.2±.15]		
	COLOR	BLACK		
MARKING	SUPER HIGH SPEED USB3.1 CABLE (UL FILE NUMBER)  AWM 2725 80°C 30V VW-1 (UV)			

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DESCRIPTION: UL STYLE 2725, USB BULK 3.1 OUTDOOR 32/26 PVC BLK		
ELECTRICAL CHARACTERISTICS		
1. VOLTAGE RATING: 30V		
2. CONDUCTOR RESISTANCE: 563 Ω/KM MAX. AT 20°C(32AWG); 150 Ω/KM MAX. AT 20°C(26AWG)		
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
USB3.1 GEN 1 SHIELD TWIST PAIR		
9. DIFFERENTIAL IMPEDANCE: 90 ± 7Ω		
10. INTRA-PAIR SKEW: 15ps/M		
11. ATTENUATION:		
FREQ.(MHZ)	100	1250 2500 7500
dB/1M	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~+80°C		
2. OPERATING TEMPERATURE: -20°C~+80°C (Static) , -10°C~+60°C (Dynamic)		
3. MIN BEND RADIUS: 10X OD		
4. FLAME TEST: UL VW-1		
5. CABLE TO BE RoHS COMPLIANT.		
PACKAGE		
MODEL NO.	LENGTH	PACKAGING
BU31O-3226BK-100F	100 FEET	POLY BAG
BU31O-3226BK-500F	500 FEET	POLY BAG or SPOOL
BU31O-3226BK-1000F	1,000 FEET	POLY BAG or SPOOL