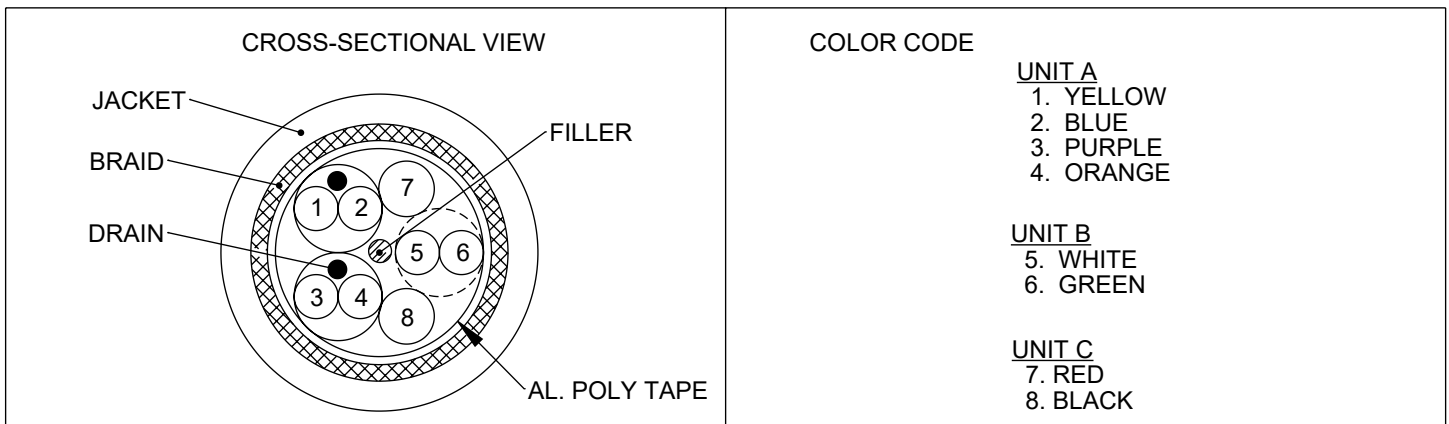


USB BULK CABLE SPECIFICATION



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]   | 71.003 ± .0003 [.08 ± .008]          | 71.003 ± .0003 [.08 ± .008] | 71.006 ± .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]              | .018 ± .002 [.45 ± .05]     | .031 ± .002 [.80 ± .05]     |
| DRAIN            | MATERIAL  | TINNED COPPER                        | -                           | -                           |
|                  | CONDUCTOR SIZE, IN [MM]   | 71.003 ± .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) |                                      |                             |                             |

USB BULK CABLE SPECIFICATION

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 |
|-----------------|------|------|------|------|-----|-----|-----|-----|-----|------|------|-----|-----|
| <b>dB/cable</b> | .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 |
|--------------|-----|------|------|------|
| <b>dB/1M</b> | 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         |
|--------------------|------------|-------------------|
| BU310-3226BK-100F  | 100 FEET   | POLY BAG          |
| BU310-3226BK-500F  | 500 FEET   | POLY BAG or SPOOL |
| BU310-3226BK-1000F | 1,000 FEET | POLY BAG or SPOOL |