



SERIES: CBL-A31-C31 | DESCRIPTION: USB CABLE

FEATURES

- type A male to type C male
- USB 3.2 Gen 1
- available in 0.5, 1, 1.5, 2.0 m lengths
- PVC or TPE jacket material
- black, white, and gray color options



SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|-----------------------|------------------------|-----|-----|-----|------------|
| USB standard | USB 3.2 Gen 1 | | | | |
| rated voltage | | | 5 | | Vdc |
| rated current | | | | 2.4 | A |
| conductor resistance | | | | 20 | Ω |
| insulation resistance | at 300 Vdc | 10 | | | M Ω |
| operating temperature | | -20 | | 80 | °C |
| flammability rating | see material table | | | | |
| RoHS | yes | | | | |

PART NUMBER KEY

CBL-A31-C31- XX X X

Base Number

Length:
05 = 0.5 m
10 = 1.0 m
15 = 1.5 m
20 = 2.0 m

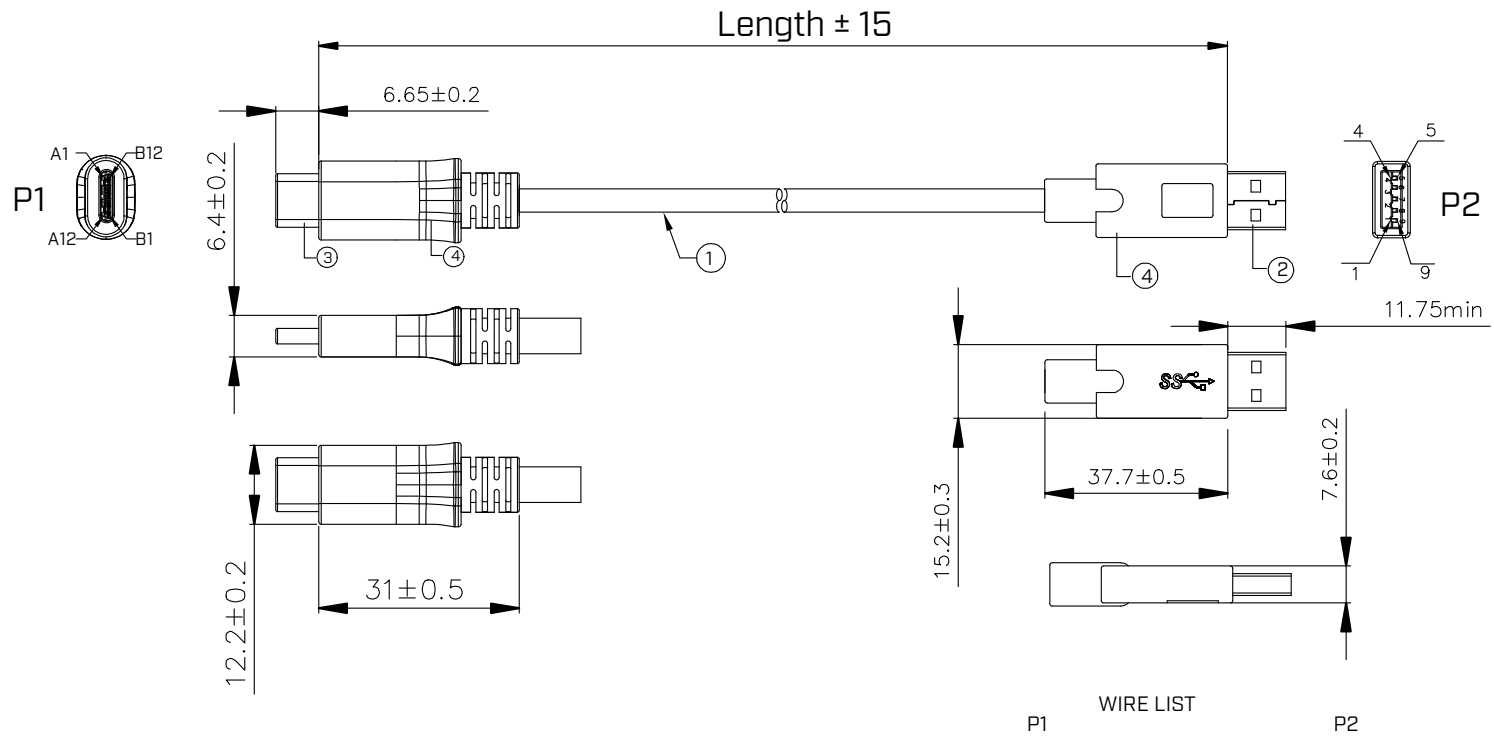
Color:
B = black
W = white
G = gray

Cable/Overmold Material:
P = PVC
T = TPE

MECHANICAL DRAWING

units: mm
tolerance:
X.X ± 0.50 mm
X.XX ± 0.30 mm
X.XXX ± 0.10 mm
unless otherwise noted

| ITEM | DESCRIPTION | |
|------|---------------------|---|
| 1 | cable (PVC version) | UL2725 [#28*1P+D+A+HM]*2+#28 *1P+AL+#24*2C+FAEB(TC65%) PVC; Black OD=5.5 \pm 0.15 mm; 30 V |
| 1 | cable (TPE version) | #28[7/0.127] *1P+#24[7/0.2]* 2C+AEB(TC65%) TPE(WH010); Black OD=5.5 \pm 0.15 mm; 30 V |
| 2 | connector 1 | USB 3.0 Gen 1 A/M; Color: Blue; Contact: gold flash; Shell: Ni plated |
| 3 | connector 2 | USB 3.1 Gen 1 C; Color: Black; Contact: gold plated; Shell: Ni plated |
| 4 | overmold | PVC 45P or TPE |



PACKAGING

units: mm

Carton Size: 546 x 355 x 186 mm

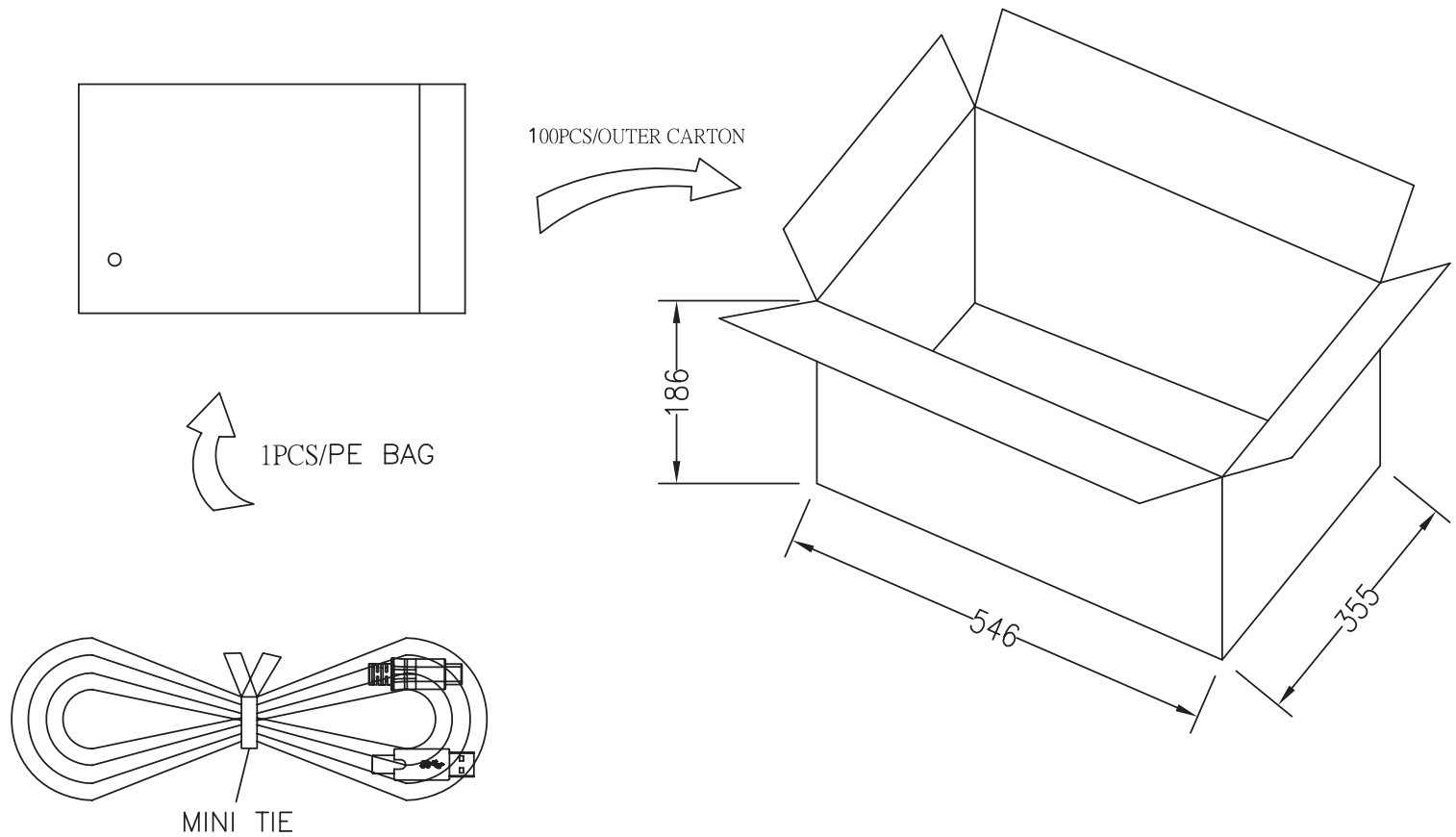
Carton QTY:

0.5 m length models: 200 pcs/carton

1.0 m length models: 150 pcs/carton

1.5 m length models: 150 pcs/carton

2.0 m length models: 100 pcs/carton



REVISION HISTORY

| rev. | description | date |
|------|-----------------------------------|------------|
| 1.0 | initial release | 11/30/2020 |
| 1.01 | TPE jacket update | 01/19/2021 |
| 1.02 | updated USB standard | 05/10/2022 |
| 1.03 | logo, datasheet style update | 08/05/2022 |
| 1.04 | modified design | 07/23/2024 |
| 1.05 | CUI Devices rebranded to Same Sky | 09/12/2024 |

The revision history provided is for informational purposes only and is believed to be accurate.



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

sameskydevices.com

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Same Sky:](#)

[CBL-A31-C31-05BP](#) [CBL-A31-C31-05GP](#) [CBL-A31-C31-05WP](#) [CBL-A31-C31-10BP](#) [CBL-A31-C31-10GP](#) [CBL-A31-C31-10WP](#) [CBL-A31-C31-15BT](#) [CBL-A31-C31-15GT](#) [CBL-A31-C31-15WT](#) [CBL-A31-C31-05BT](#) [CBL-A31-C31-20BT](#)
[CBL-A31-C31-05GT](#) [CBL-A31-C31-20GT](#) [CBL-A31-C31-20WT](#) [CBL-A31-C31-05WT](#) [CBL-A31-C31-10BT](#) [CBL-A31-C31-10GT](#) [CBL-A31-C31-10WT](#) [CBL-A31-C31-15BP](#) [CBL-A31-C31-15GP](#) [CBL-A31-C31-15WP](#) [CBL-A31-C31-20BP](#)
[CBL-A31-C31-20GP](#) [CBL-A31-C31-20WP](#)