

USB-C TO USB-C FULL FEATURED CABLES

DESCRIPTION

The Dynamix U31 Series is a high-performance 240W USB 3.1 USB-C to USB-C cable engineered for ultra-fast power delivery, high-speed data transfer, & high-resolution video support. It is ideal for laptops, docking stations, monitors, & other USB-C enabled devices requiring stable, high-capacity charging & connectivity. Up to 10gbps of data transfer, the U31 cable supports up to 4K@60Hz video output with HDR10 & 10-bit colour, making it suitable for professional displays & high-definition media applications. Built with tinned copper conductors, aluminum/mylar shielding, & a minimum 70% braided shield, it ensures excellent signal integrity & reduced electromagnetic interference. The durable black PVC jacket & reinforced molded connectors provide long-lasting performance for both professional & everyday use.

FEATURES

- Supports up to 240W Power Delivery (PD 3.1)
- Up to 10gbps data transfer
- Supports 4K@60Hz video output
- HDR10 support with 10-bit colour
- USB-C to USB-C connectivity
- Aluminum/Mylar shielding
- Tinned copper conductors
- Multi-layer shielding design for enhanced signal integrity
- Durable black PVC jacket (4.8 ± 0.15mm OD)
- Gold-plated contacts for reliable connection
- Passed 100% open, short, & missing wire testing
- Rated for 80°C operating temperature
- Available lengths: 0.5m, 1m, 1.5m, 2m



C-U20-CCPR



Packaging

PRODUCT CODE	DESCRIPTION	SPEED	PACK TYPE	LENGTH
C-U31-CCPR-0-5	Premium USB-C 3.1 Cable, 4K@60Hz, HDR10 10-Bit Colour	10gbps	Hang Card	0.5m
C-U31-CCPR-1	Premium USB-C 3.1 Cable, 4K@60Hz, HDR10 10-Bit Colour	10gbps	Hang Card	1m
C-U31-CCPR-1-5	Premium USB-C 3.1 Cable, 4K@60Hz, HDR10 10-Bit Colour	5gbps	Hang Card	1.5m
C-U31-CCPR-2	Premium USB-C 3.1 Cable, 4K@60Hz, HDR10 10-Bit Colour	5gbps	Hang Card	2m

Please note we took the up-most care to compile the information in this datasheet. To the best of our knowledge all info provided were correct at the time of creation. Should any specs change we try to update info accordingly. Information are subject to change without notice. In the case that you find any irregularity please inform our team at contactus@DYNAMIX.co.nz

Last updated: 23 March 2026



SPECIFICATIONS

Connector Type	USB-C Male	USB-C Male
USB3.1, USB3.0 Transfer Rate	0.5m & 1m - 10gbps	1.5m & 2m - 5gbps
Power Rating	Up to 240W (PD 3.1)	
E-Marker Chip	Yes	
Voltage Rating	Up to 48V DC	
USB Standard	USB 3.1 Gen1/Gen2	
Video Support	4K @ 60Hz	
HDR Support	HDR10, 10-bit Colour	
Contact Plating	Gold Plated	
Conductor Material	Tinned Copper	
Conductor Sizes	4P*30AWG+DAM, 1P*30AWG, 4C*32AWG, 2C*22AWG+F+ADB	
Shielding	Aluminum/Mylar + Braided Shield	
Braid Coverage	70% Minimum	
Drain Wire	Tinned Copper	
Jacket Material	PVC (Black)	
Outer Diameter	4.80± 0.15 mm	
Temperature Rating	80°C	
Insulation Resistance	≥5MΩ	
Withstanding Voltage	DC 300V / 0.01 sec	
Conductor Resistance	≤3Ω	
Compliance	RoHS, REACH, TSCA	

DIAGRAM

