THUNDERBOLT™5 USB-C® ACTIVE CABLE (80GBPS)

Built for professionals and data-intensive workflows —twice as fast as Thunderbolt™4



The C2G Thunderbolt™ 5 USB-C Cable is Intel®-certified and engineered as a single-cable solution for ultra-fast data transfer, high-resolution video, and powerful device charging. Built for professionals and data-intensive workflows, it supports data transfer rates of up to 80 Gbps bidirectional—twice as fast as Thunderbolt™ 4 —with a bandwidth boost of up to 120 Gbps in one direction (40 Gbps in the opposite). It is also backward compatible with Thunderbolt™ 4 and 3.



Front



Side

With DP Alt Mode, it delivers high-resolution video across multiple displays, supporting up to dual 8K displays at 60Hz. It also provides up to 240W power delivery, ensuring reliable charging for high-performance laptops, workstations, and devices.

The cable supports daisy-chaining, allowing multiple Thunderbolt™ devices—monitors, docks, and storage drives—to be connected in a single chain without sacrificing performance.

Backed by a 5-year warranty, the C2G Thunderbolt™ 5 USB-C Cable combines speed, power, and reliability in one future-ready solution.

ITEM	DESCRIPTION
C2G28820	1.75ft (0.5m) Thunderbolt™ 5 USB-C® Active Cable (80Gbps)
C2G28821	3.25ft (1.0m) Thunderbolt™ 5 USB-C® Active Cable (80Gbps)

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FEATURES

- **Intel® Certified:** Built with an Intel chipset for seamless compatibility with leading devices, including Apple systems
- **Ultra-Fast Data Transfer:** Supports transfer rates of up to 80 Gbps—twice as fast as Thunderbolt 4
- **Bandwidth Boost:** Provides up to 120 Gbps in one direction and 40 Gbps in the opposite direction for intensive workloads
- **High-Resolution, Multi-Display Support:** Drive multiple displays with exceptional clarity
  - Single display: 8K @ 60Hz
  - Dual display: 8K @ 60Hz
  - Triple display: 4K @ 144Hz
- **Power Delivery:** Delivers up to 240W to charge high-performance laptops, workstations, and devices
- **Daisy-Chaining Capable:** Connect multiple Thunderbolt™ devices—such as monitors, docks, and storage drives —through a single daisy chain without sacrificing performance:
  - Up to 5 devices with Thunderbolt™ 4/5
  - Up to 6 devices with Thunderbolt™ 3
- **Backed by a 5-Year Warranty**

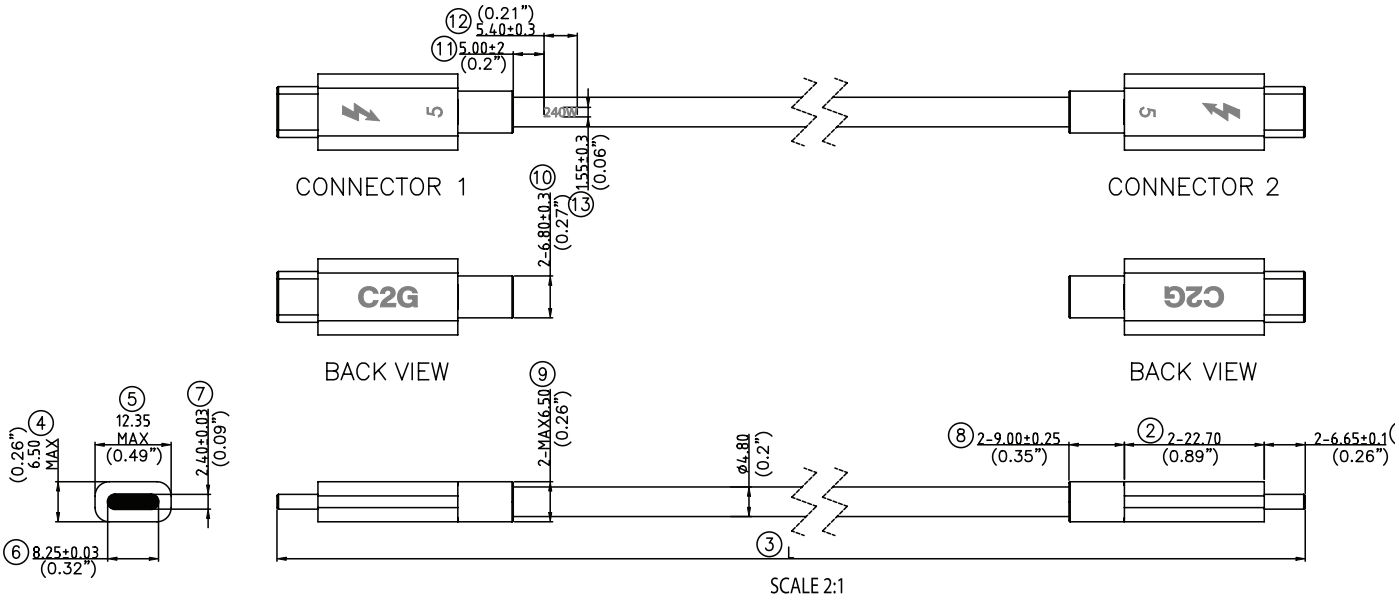
THUNDERBOLT™5 USB-C® ACTIVE CABLE

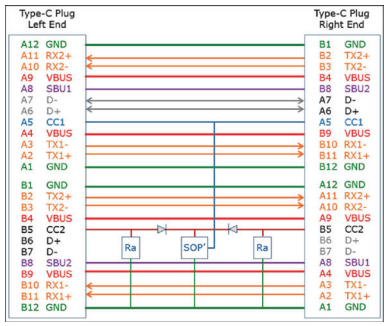
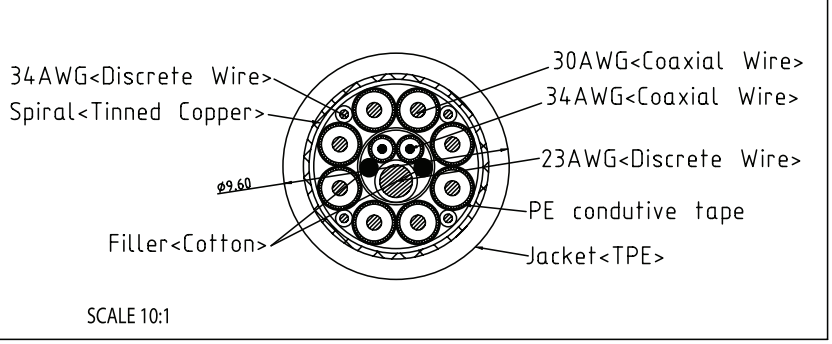
Specifications

		C2G28820-21
SIGNAL SPECIFICATIONS	Signal Bandwidth	80 Gbps Bidirectional
	Resolutions	Up to 8K (7680 × 4320) at 60Hz
	Power Delivery	Up to 240W
ELECTRICAL SPECIFICATIONS	Rating Temperature	80°C
	Voltage	60 V
	Max Conductor Resistance at 20°C (Ω/km)	30AWG: 381. 34AWG: 924, 23AWG:73.5
	Insulation resistance at 20°C (min)	0.75 Ω/KM
	Dielectric Strength (KV DC/1 min)	1.0
PHYSICAL CHARACTERISTICS	Length	C2G28820: 1.75ft (0.5m)
		C2G28821: 3.25ft (1.0m)
	Connector	USB-C, Male
	Housing Material	Plastic
	Housing Color	Black
	Jacket Material	TPE (Plastic and Rubber)
	Jacket Color	Black
	Cable Diameter	4.8mm
	Cable Jacket Rating	VW-1
	Shield Braid Coverage (min)	85%
	Shield Braid Construction	42AWG
	Regulatory Approvals	CE marked, Conforms to 2011/65/EU ROHS 2
PHYSICAL SPECIFICATIONS	Minimum Bend Radius	48 mm
	Operating Temperature	0°C to 50°C (32°F to 122°F)
	Storage Temperature	-20°C to 85°C (-4°F to 140°F)
	Operation Humidity	20 to 90% RH (non-condensing)
	Storage Humidity	5 to 95% RH (non-condensing)

THUNDERBOLT™5 USB-C® ACTIVE CABLE

TECHNICAL DRAWING



PIN ASSIGNMENT	CABLE CROSS SECTION
	

C2G | CHIEF | CONNECTRAC | DA-LITE | LUXUL | MIDDLE ATLANTIC | ON-Q | SANUS | VADDIO | WIREMOLD

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