

USB Type C

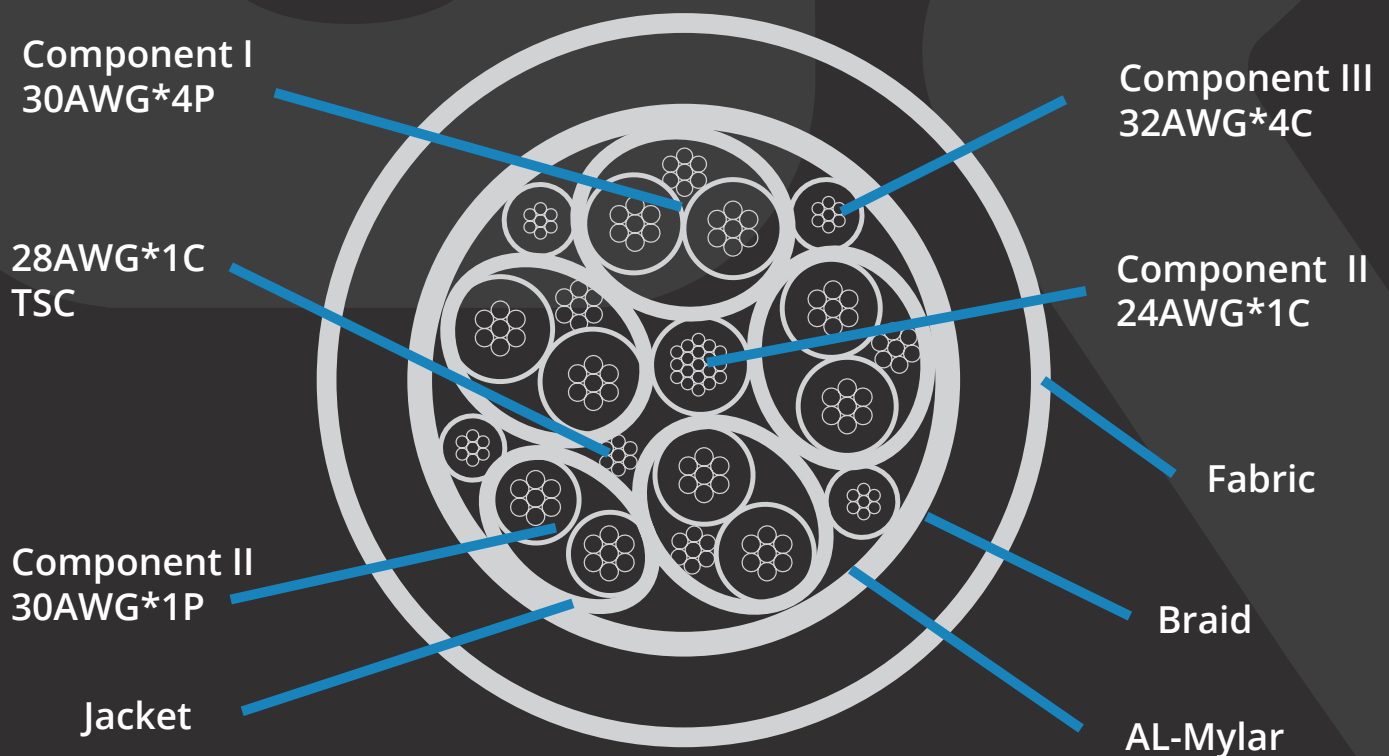


Lorom's USB-C to USB-C cable assembly products family is a cost effective interconnect solution for USB-C (also known as USB Type-C) applications.

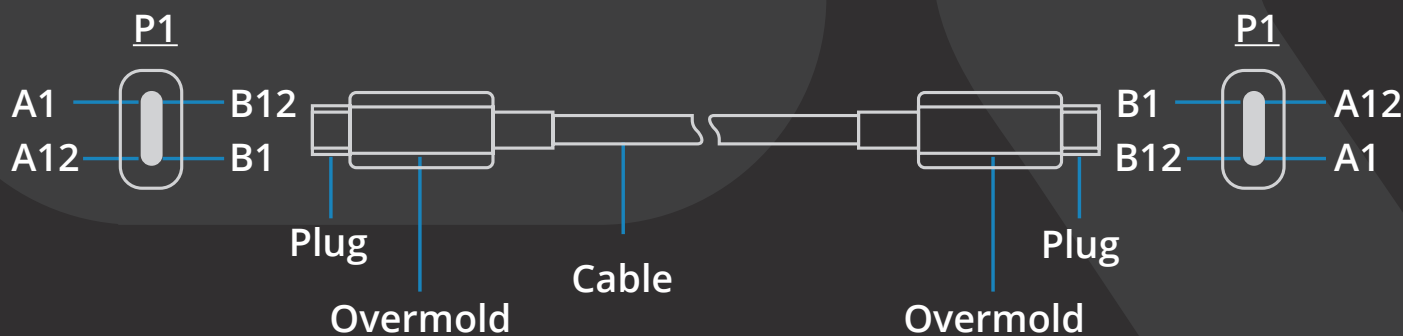
The product series meet and exceed the standard performance and reliability requirements of the USB Type-C specifications.

Product Features & Benefits

- Customized cable solutions to meet your special requirements
- Broadband performance capabilities for data rate up to 10 Gbps
- Available in passive and active designs to provide system flexibility with high performance
- Various wire gauges and lengths providing diverse solutions
- Choice of twin-ax, micro coaxial & shielded twisted pair structures
- 360 degree crimp ring to provide excellent EMC/EMI Performance
- Use of E-MAXX® high speed copper cable for optimum SI performance
- Small bend radius for easier management
- Proprietary high-speed PCB termination technology minimizes the impedance discontinuity and cross talk
- Wire organizer for controlled drain wire management and optimum SI performance
- Over molded cable termination increases mechanical robustness



Electrical Characteristics		
Differential Impedance of Bulk Cable:	90±5	Ohms, test with 200ps rise time
Differential Impedance of Mated Connector:	85±9	Ohms, test with 40ps rise time
Differential Insertion Loss:	per USB Type-C Standard	
Differential Return Loss:	per USB Type-C Standard	
Insertion Loss Fit:	≤-7	dB, at 2.5GHz
	≤-12	dB, at 5GHz
Intergrated Multi-reflection:	per USB Type-C Standard	
Differential Crosstalk between SuperSpeed Paris:	per USB Type-C Standard	
Differential Crosstalk between D+/D- and SuperSpeed Paris:	per USB Type-C Standard	
Integrated Crosstalk between SupersSeed Paris:	≤-40	dB
Differential-to-Common-Mode-Conversion:	<-20	dB, from 100MHz to 10GHz
Integrated Return Loss:	per USB Type-C Standard	
Mechanical Characteristics		
Insertion Force:	Within the range from 5N to 20N	
Insertion Cycles:	1000 cycles minimum	
Extraction Force:	Within the range from 8N to 20N	
Cable Flexing:	No physical damage and discontinuity over 1ms during flexing	
Environmental Characteristics		
Temperature Life:	per EIA 364-17	
Cyclic Temperature and Humidity	per EIA 364-31	



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