

USB3.0 Data Cable



Application

Faster data transfer rates and more efficient charging speeds compared to USB 2.0 cables

Technical Data

Reference standard: ISO19642

Temperature range: -40 to 105°C,

Bending radius: 5 × O.D. (Static)

Construction

		A(4P 30AWG)	B(2C 30AWG)	C(1P 28AWG)	D(2C 23AWG)
Conductor:	Material	Tinned Copper	Tinned Copper	Tinned Copper	Tinned Copper
	Diameter	0.10±0.008mm×7	0.10±0.008mm×7	0.127±0.008mm×7	0.13±0.008mm×19
Insulation:	Material	Polypropylene	PVC	Polypropylene	PVC
	Diameter	0.77±0.05mm	0.6±0.1mm	0.70±0.1mm	1.0±0.05mm
Drain Wire:	Material	Tinned Copper			
	Diameter	0.10±0.008mm×7			
Al-Pet Shielded:		≥ 115%			
Mylar Spiral:		≥ 115%			
Filler:		Optional			
Al-Pet Shield:		≥ 115%			
Drain Wire:	Material	Tinned Copper			
	Diameter	0.127±0.008×7			
Braiding:	Material	Tinned Copper			
	Diameter	0.10±0.008mm×16×9			
Jacket:	Material	PVC			
	Diameter	5.7±0.3mm			

Transmission Performance

Differential Impedance: 90 +/- 7Ω (Part A)
90 +/- 13.5Ω (Part C)

Insertion Loss:

Part A

Frequency (GHz)	Limit (dB/m)
0.625	1.3
1.25	1.9
2.50	3.0
5.00	4.6
7.50	5.9

Part C

Frequency (MHz)	Limit (dB/Cable)
0.064	0.08
0.256	0.11
0.512	0.13
0.772	0.15
1	0.20
4	0.39
8	0.57
12	0.67
24	0.95
48	1.35
96	1.90
200	3.20
400	5.80