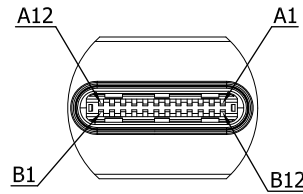
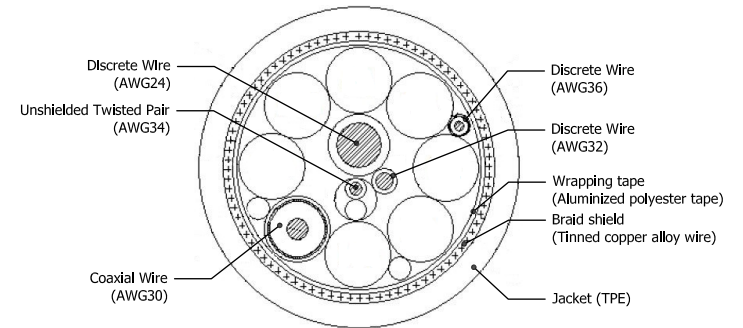


Detail A
Scale 5:1



Detail B
Scale 5:1

Construction of raw cable



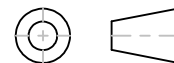
Pin assignment diagram

Pin Number (LHS)	Signal Name	Pin Number (RHS)	Cable Type	AWG
A1,B1,A12,B12	GND_PWRrt1[GND_PWRrt2]	A1,B1,A12,B12	Spiral shield	
A4,B4,A9,B9	PWR_VBUS1[PWR_VBUS2]	A4,B4,A9,B9	Discrete	
A5	CC	A5	Discrete	36
B5	PWR_VCONN	B5	Discrete	36
A6	UTP_Dp	A6	Twisted pair	34
A7	UTP_Dn	A7		
A2	SDPp1	B11	Coaxial	30
A3	SDPn1	B10		
B11	SDPp2	A2	Coaxial	30
B10	SDPn2	A3		
B2	SDPp3	A11	Coaxial	30
B3	SDPn3	A10		
A11	SDPp4	B2	Coaxial	30
A10	SDPn4	B3		
A8	SBU_A	B8	Discrete	36
B8	SBU_B	A8	Discrete	36
Shell	Shield	Shell	-	

Electrical properties:

- 100% open/short testing.
- Min. insulation resistance: 1.53MΩ-1.0m
- Max. conductor resistance: 2Ω(pin to pin)
- Voltage: 500V AC/1min.

THIRD ANGLE PROJECTION



GENERAL NOTES

DIMENSIONS ARE IN MM - DO NOT SCALE
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PRODUCT ID	TBLT4MM50CM		
DESCRIPTION	50cm Thunderbolt 4 Cable - 40Gbps - 100W PD - 4K/8K Video		
DO NOT SCALE	SHEET: 1 OF: 1	UPLOAD DATE: 1/16/2025	