

### 1. Scope

Use the matching cable for the USB

### 2. Construction and material

Item		Unit	Specified Value			
			36AWG Coaxial (A)	34AWG UTP (B)	34AWG Wire (C)	26AWG Wire (D)
Number of cores		-	8(A)	1P(B)	4(C)	2 (D)
Inner Conductor	Material	-	Silver plated copper	Tinned copper wire		
	Stranding	No./mm	7/0.05	7/0.06	7/0.06	49/0.06
	Diameter(Nom.)	mm	0.150	0.180	0.180	0.48
Insulation	Material	-	FEP	FEP	FEP	FEP
	Thick.(Nom.)	mm	0.12	0.045	0.065	0.06
	Diameter	mm	0.39±0.03	0.29±0.03	0.31±0.03	0.60±0.03
	Color	-	White	White Green	See Fig 3	Red
Outer conductor	Material	-	Tinned copper Wire	-	-	
	Thickness (Nom)	mm	0.03			
	Dia.(approx.)	mm	0.45			
Twisting(Nom)				0.58		
Binder tap	Material 1	-	CUJ-PET	-		
	Material 2	-	PET-A			
	Dia.(approx.)	mm	0.49 (±0.02)			
Assembly Diameter 1(Nom.)		mm	2.20(See Fig.3)			
Binder tape	Material	-	nonwoven			
	Thickness (Nom)	mm	0.05			
Shield	Type	-	Braid			
	Material	-	Tinned copper wire			
	Strand	mm	0.05			
	Coverage (Min)	%	90%			
	Dia.(approx.)	mm	2.60			
Sheath	Material	-	TPE			
	Thickness (Nom.)	mm	0.4			
	Color	-	Black			
	Dia.(approx.)	-	3.5±0.20			

### 3. Electrical Properties

Item		Unit	Specified Value			
			36AWG Coaxial (A)	34AWG UTP (B)	34AWG Wire (C)	26AWG Wire (D)
Rating temperature		°C	80	80	80	80
Rating voltage		V	30	30	30	30
Conductor Resistance (20°C)		Ω/km	Max.1,569	Max.987	Max.987	Max.131
Insulation Resistance* (20°C)		MΩ-km	Min. 1,524	Min. 1,524	Min. 1,524	Min. 1,524
Characteristic Impedance(at 1ns)		Ω	90±5(2C)	90±15(2C)	-	
Dielectric strength		-	Withstand A.C. 500V for 1 minute-			

#### 4. Packing

- (1) Unit length(Min) : 100m(Min.10)
- (2) Package : Coiled into carton box

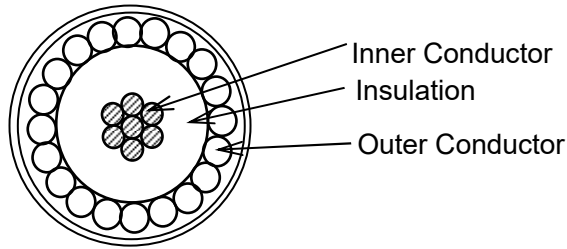


Fig.1 Cross section view of cable (36AWG Coaxial )

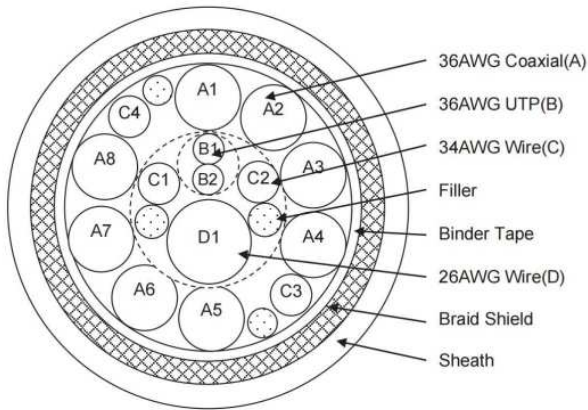


Fig.3

	Pair No.	Color	No.	Color
1pair	A1	Brown	B1	White
	A2	Yellow	B2	Green
2pair	A3	White	C1	Red
	A4	Black	C2	Brown
3pair	A5	Red	C3	Green
	A6	Blue	C4	Blue
4pair	A7	Gray	D1	Red
	A8	Green		-

Fig.2