

## SPECIFICATION

12C(1×42AWGAWG+2×44AWG+6×  
44AWG+3×36AWG)

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Approved: Zach Shawn

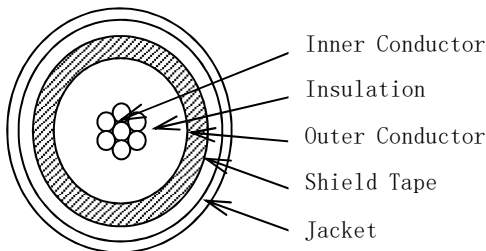
**1. (Scope)**

This cable is used for medical equipment.

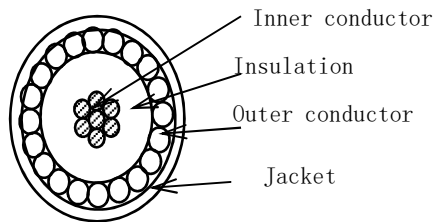
**2. (Construction)**

Item		Unit	Specified Value			
			42AWGCoax.	44AWGCoax.	44AWGCoax.	36AWG
Number of cores		-	1(A)	2(B)	6(C)	3(D)
Inner Conductor	Material	-	Silver plated copper alloy			Silver plated copper
	Stranding	No./mm	7/0.025	7/0.02	7/0.02	7/0.05
	Dia.	mm	0.075	0.06	0.06	0.15
Insulation	Material	-	PFA	PFA	PFA	FEP
	Thick.	mm	0.052	0.045	0.04	0.25
	Diameter	mm	0.18±0.04	0.15±0.01	0.14±0.01	0.255±0.02
	Color	-	Violet	Orange,Red	See below	
	Type	-	Wrap			-
Outer	Material	-	Silver plated copper			
Conductor	Strand.	mm	0.03	0.03	0.03	
	Type	-		AL/PET		
Shield Tape	Material	-	-	0.05	-	
Jacket	Material	-	PFA	PFA	PFA	
	Thick.	mm	0.025	0.04	0.03	
	Diameter	mm	0.29	0.295	0.26	
	Color	-	Violet	Orange Red	See below	
Ass.	Dia.	mm	1.07			
	Material	-	PTFE			
Binder Tape	Thick.	mm	0.05			
Shield	Type	-	Wrap			
	Material	-	Silver plated copper			
	Strand	mm	0.05			
Sheath	Material	-	FEP			
	Thick.	mm	0.13			
	Diameter	mm	1.5±0.1			
	Color	-	Red			

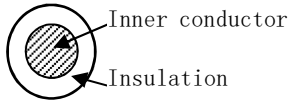
**3. (Cross-section)**



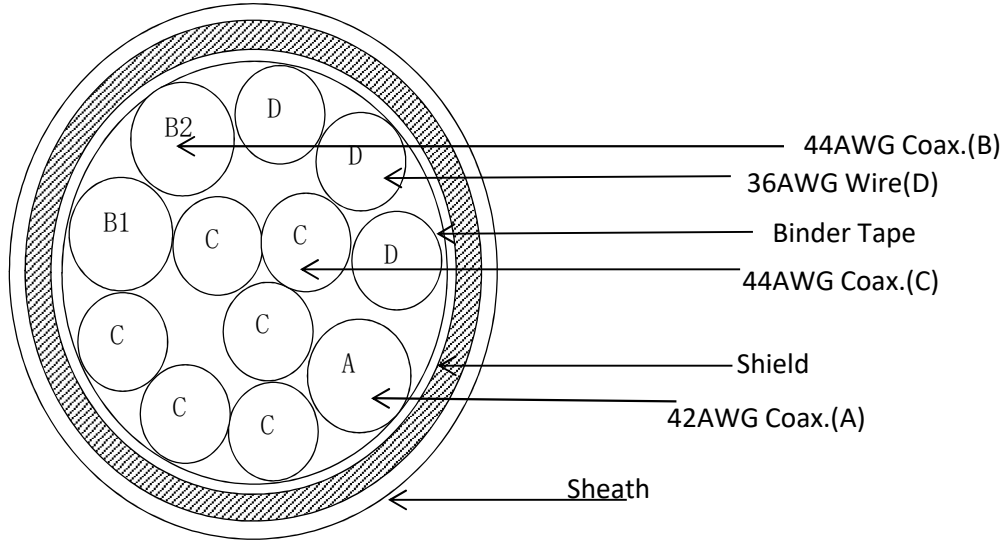
44AWG Coax.(B)



42AWG(A)/44AWG(C) Coax.



36AWG Wire(D)



No.	Color	No.	Color	No.	Color
A	Violet	C2	Blue	C6	White
B1	Orange	C3	Black	D1	Gray
B2	Red	C4	Brown	D2	Black
C1	Yellow	C5	Green	D3	Nature

**4. (Electrical Properties)**

Item	Unit	Specified Value			
		42AWG (A)	44AWG.(B)	44AWG .(C)	36AWG(D)
Rating Temp.	°C	80			
Rating voltage	V	30			
(20°C) Conductor Resistance	Ω/km	Max.7500	Max.12500	Max.12500	Max.1900
(20°C)Insulation Resistance	MΩ-km	Min. 1,000	Min. 1,000	Min. 1,000	Min. 1,000
Characteristic Impedance(at2ns)	Ω	45±5	50±5	45±5	-
Electronic strength		No broken after A.C. 500V/1min			

**5. (Packing)**

- (1) Unit length : 250m(Min.10m)
- (2) Package : Paper reel