

SPECIFICATION

10C(1×42AWGAWG+3×42AWG+2×36AWG)

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Review: Ian Strong

Approved: Zach Shawn

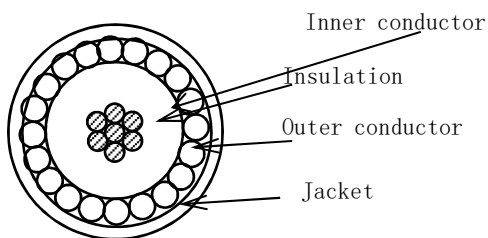
1. (Scope)

This cable is used for medical equipment.

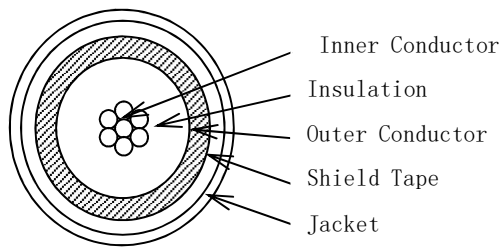
2. (Construction)

Item		Unit	Specified Value		
			42AWG Coax	42AWG Coax.	36AWG Wire
Number of cores		-	5(A)	3(B)	2(C)
Inner Conductor	Material	-	Silver plated copper alloy		Tinned copper
	Stranding	No./mm	7/0.025	7/0.025	19/0.03
	Dia.	mm	0.075	0.075	0.15
Insulation	Material	-	PFA	PFA	FEP
	Thick.	mm	0.04	0.042	0.05
	Diameter	mm	0.16±0.02	0.16±0.02	0.25±0.03
	Color	-	See below	See below	Black, Grey
Outer Conductor	Type	-	Wrap		
	Material	-	Tinned copper		
	Strand.	mm	0.03	0.03	
Shield Tape	Type	-	-	AL/PET	
	Material	-	-	0.05	
Jacket	Material	-	PFA	PFA	
	Thick.	mm	0.025	0.04	
	Diameter	mm	0.28	0.325	
	Color	-	The same as Insulation	The same as Insulation	
Ass.	Dia.	mm	1.1		
Binder Tape	Material	-	PTFE		
	Thick.	mm	0.05		
Shield	Type	-	Wrap		
	Material	-	Tinned copper		
	Strand	mm	0.08		
Sheath	Material	-	FEP		
	Thick.	mm	0.075		
	Diameter	mm	1.6±0.1		
	Color	-	grey		

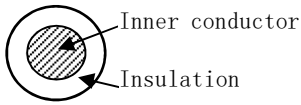
3. (Cross-section)



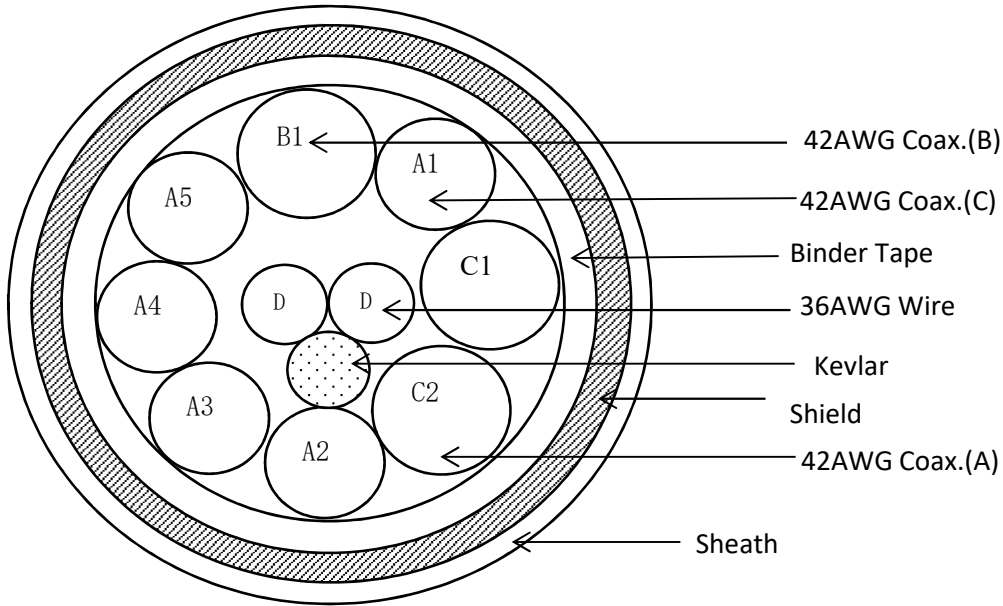
42AWG(B)/42AWG(C)Coax.



42AWG(A)Coax.



36AWG Wire(D)



No.	Color	No.	Color	No.	Color
A1	Violet	A5	White	C1	Gray
A2	Blue	B1	Yellow	C2	Black
A3	Black	B2	Orange		-
A4	Brown	B3	Red		-

4. (Electrical Properties)

Item	Unit	Specified Value		
		42AWG Coax.	42AWG Coax.	36AWG Wire
Rating temperature	°C	80		
Rating voltage	V	30		
(20°C) Cond Resis	Ω/km	Max. 7500	Max. 7500	Max. 1900
(20°C) Insulation Resistance	MΩ-km	Min. 1,000	Min. 1,000	Min. 1,000
Electronic strength		No broken after A.C. 500V/1min		

5. (Packing)

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

Version	1	Initial
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