

SPECIFICATION

20C-6.0(13×34AWG+7×30AWG)-6.0

Prepared	Reviewed	Approved

1. Scope

Use the matching wire on the endoscope

2. Construction and material

	Item		Specified Value		Unit
	Core No.		13	7	-
	Function		Signal	DC wire	-
Coaxial	Inner Conductor	AWG Size	34	30	-
		Material	Silver plated copper alloy		-
		Stranding	7/0.064	7/0. 102	No. / mm
		Diameter(Nom .)	0. 192	0.36	mm
	Insulation	Material	PFA	FEP	-
		Color	WHITE	See Sheet 3	-
		Thickness(Nom .)	0. 18	0.207	mm
		Diameter(Nom .)	0.55	0.72	mm
	Outer Conductor	Type	Wrap	-	-
		Material	Tinned copper alloy	-	-
		Thickness(Nom .)	0.05	-	mm
	Jacket	Material	AL/PET4	AL/ PET	
		Color	See Sheet3		
		Thickness(Nom .)	0.02	0.1	
		Diameter(Nom .)	0.68	2.2	
	Cabling Diameter (Nom .)		3.6		mm
2.2Shield		Material	AL/ PET		-
		thickness (Nom .)	0.1		mm
Sheath		Material	TPU		-
		Color	Black		-
		Thickness(Nom .)	0.7		
		Diameter(Nom .)	6.0±0. 1		mm

Sheet 2 Electrical Properties

Item	Specified Value		Unit
AWG Size	34	30	
Conductor resistance (20 °C)	Max. 1000	Max.500	Ω /km
Insulation resistance (20 °C)	Min. 1,000		M Ω -km
Dielectric Strength (*1)	To withstand A.C. 1 , 500V for 1 min.		-
Characteristic Impedance(10 MHz)	Nom .50 $\pm$ 5		Ω
Capacitance (at 1kHz)	Nom . 100 $\pm$ 10		pF/m

*1 : Applied between inner conductor and outer conductor.

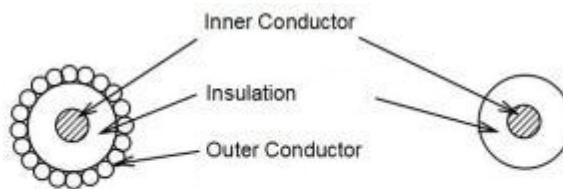


Fig.1 Cross section of coaxial

Fig.2 Cross section of Wire

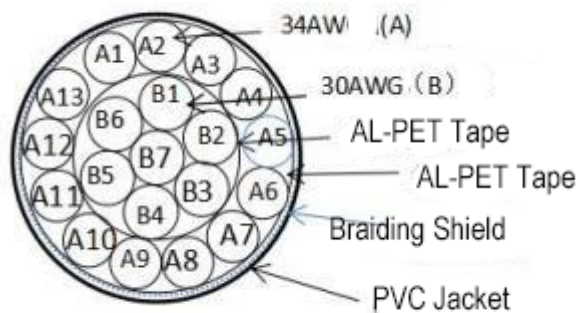


Fig.3 Cross section of cable

Sheet3 .Color of Core

Core No.	Color of insulation
A1-A3	White
A4	Green
A5	Blue
A6	BLK
A7	Blue
A8	Gray
A9	White
A10	Orange
A11	Red
A12	Yellow
A13	BROWN
B1	NATURE
B2	Yellow
B3	PLK
B4	Red
B5	BROWN
B6	Violet
B7	BLK