

SPECIFICATION

11C(3P×40AWG+1coax×40AWG+4×40AWG+D)-1.25mm

Prepared	Reviewed	Approved

1. Scope

Use the matching wire on the endoscope

2. Construction and material

	Item		Specified Value			Unit
	Core No.		3P(A)	1(B)	4(C)	/
	Inner Conductor	AWG Size	40	40	40	/
		Material	Silver plated copper alloy			/
		Stranding	7/0.03	7/0.03	7/0.03	No./mm
		Diameter(Nom.)	0.09	0.09	0.09	mm
	Insulation	Material	PFA			-
		Color	See Table 3			-
		Thickness(Nom.)	0.04	0.085	0.03	mm
		Diameter(Nom.)	0.18	0.260	0.155	mm
Twisting		Diretion	S	/	/	mm
Sprial shield		Material	/	Tin Hard copper alloy wire	/	/
		Thickness(Nom.)	/	0.03	/	mm
		Coverage(Nom.)	/	95(Min.90)	/	%
Drain wire		Material	Silver-Plated Hard copper alloy wire (2% Ag)			/
		Construction	7/0.04±0.002mm			/
Cabling		Diameter	0.88±0.02			mm
		Diretion	S			/
Copper tape		Material	CU tape			mm
		Diameter	0.89			
Braided shield		Material	Tin Hard copper alloy wire			/
		Thickness(Nom.)	0.08			mm
		Coverage(Nom.)	92(Min.90)			/
Sheath		Material	FEP			/
		Color	Gray			/
		Thickness (Nom.)	0.01			mm
		Diameter直径	1.25±0.07			mm

Sheet 2 Electrical Properties

Item	Specified Value	Unit
	40AWG	-
Conductor resistance (20℃)	Max. 5,000	Ω /km
Insulation resistance (20℃) 阻	Min. 1,000	MΩ -km
Dielectric Strength (*1)	To withstand A.C. 250V for 1 min.	-
Differential Characteristic Impedance(10MHz)	Nom.100	Ω

*1: Applied between inner conductor and outer conductor.

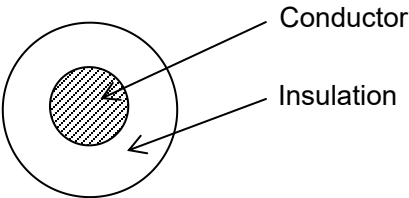


Fig.1 Cross section of wire

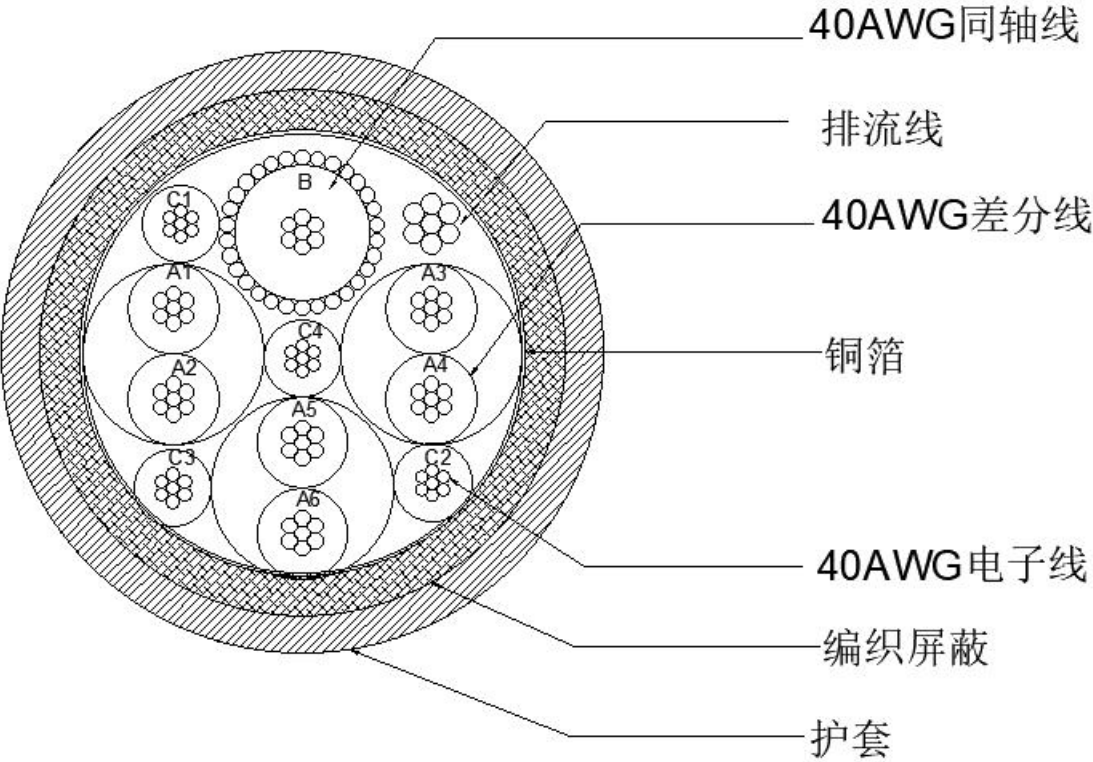


Fig.2 Cross section of cable

Note1:The letters in circles indicate core number shown in sheet3.

Sheet3 .Color of Core

Core No.	Color of insulation	AWG Size
A1×A2	Orange ×Brown	40AWG
A3×A4	White ×Green	40AWG
A5×A6	Grey ×Black	40AWG
B	Nature	40AWG
C1	Yellow	40AWG
C2	Voilet	40AWG
C3	Blue	40AWG
C4	Red	40AWG