

SPECIFICATION

5C(3coax×42AWG+2×42AWG)-0.65

Prepared	Reviewed	Approved

1. Scope

Use the matching wire on the endoscope

2. Construction and material

Item		Specified Value		Unit
Core No.		Unit A:3 coaxial	Unit B:2C	-
Inner Conductor	AWG Size	42AWG	42AWG	-
	Material	Silver plated copper alloy		-
	Stranding	7/0.025±0.005		No./mm
	Diameter(Nom .)	0.075		mm
Insulation	Material	PFA		-
	Color	See Table.3		-
	Thickness(Nom .)	0.05	0.05	mm
	Diameter(Nom .)	0.175±0.05	0.175±0.05	mm
Outer Conductor	Type	Wrap	-	-
	Material	Tinned copper alloy	-	-
	Thickness(Nom .)	0.03±0.005	-	mm
	Diameter(Nom .)	0.235±0.05		
Drain wire	Material	Silver plated copper alloy		-
	AWG Size	42AWG		-
	Stranding	7/0.025±0.005		mm
	Diameter(Nom .)	0.075		mm
Cabling Diameter (Nom .)		0.50±0.10		mm
Binder tape	Material	-		-
	thickness (Nom .)	-		mm
Shield	Material	Tinned copper alloy		-
	Stranding	0.03±0.005		mm
	Type	Wrap		-
	Coverage	≥90%		%
	Diameter(Nom .)	0.57		mm
Tape	Material	PET		
	Color	Transparent		
	Material	PET Tape		-
	Color	Yellow		-
	Diameter(Nom .)	0.65±0.05		mm

Sheet 2 Electrical Properties

Item	Specified Value	Unit
Conductor resistance (20℃)	Max7500	Ω /km
Insulation resistance (20℃)	Min. 1,000	M Ω -km
Dielectric Strength (*1)	To withstand D.C. 500V for 1 min.	-
Characteristic Impedance(10 MHz)	50 $\pm$ 5	Ω
Capacitance (at 1kHz)	-	pF/m

*1: Applied between inner conductor and outer conductor.



Fig.1 Cross section of coaxial
图1. 同轴线截面图

Fig.2 Cross section of Wire
图2. 单线截面图

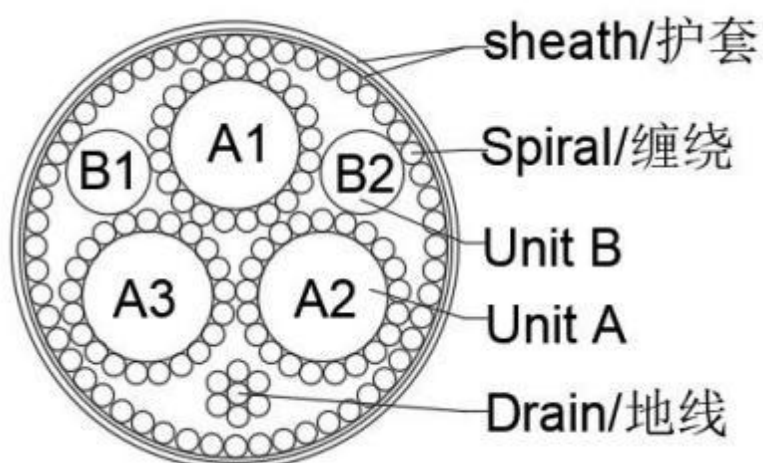


Fig.3 Cross section of cable

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

Sheet3 .Color of Core

Core No.	Color of insulation
A1	Yellow
A2	White
A3	Blue
B1	Red
B2	Violet

-End-