



No.: SP01-72004

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Date : Jul.18, 2025

SPECIFICATION

P/N: 46AWG×3Coaxial+44AWG×2C PET Blue 0.43±0.02mm

Issue and revision record

Rev. No.	Issue date	Item	Prepared by	Reviewed by	Approved by
-	Jul.18,2025	Initial issue	Han		



1. Scope

Medical endoscopy cable

2. Construction and material

Item		Unit	Specified Value	
			46AWG Coax	44AWG Wire
Number of cores		-	3	2
Inner Conductor	Material	-	Silver plated copper alloy	Silver plated copper alloy
	Stranding	No./mm	7/0.016	7/0.02
	Diameter(Nom.)	mm	0.048±0.005	0.06±0.005
Insulation	Material	-	PFA	PFA
	Thick.(Nom.)	mm	0.03	0.028
	Diameter	mm	0.11±0.01	0.115±0.008
	Color	-	See Fig.2	
Outer Conductor	Material	-	Silver plated copper alloy	/
	Thick.(Nom.)	mm	0.02	
	Diameter	mm	0.15±0.01	
Drain Conductor	AWG Size	-	42	
	Material	mm	Silver plated copper alloy	
	Stranding	-	7/0.025	
	Diameter(Nom.)	mm	0.075±0.005	
Cabling	Cabling	mm	0.37±0.02(See Fig.1)	
Shielding tape	Material	-	Copper Tape	
	Coverage(Nom.)	-	≥25%	
Jacket	Material	-	Polyester Tape	
	Thick.(Nom.)	-	0.02	
	Color	-	Blue	
	Dia. (Nom.)	mm	0.43±0.02	

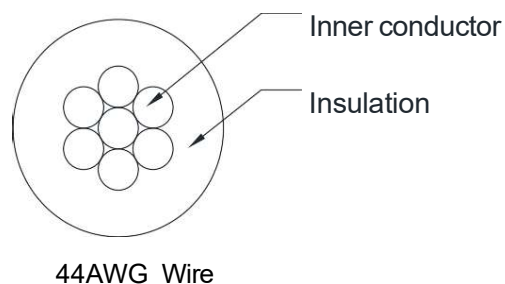
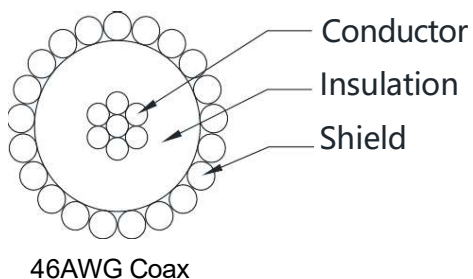


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3. Electrical Properties

Item	Unit	Specified Value	
		46AWG Coax	44AWG Wire
Rating temperature	°C	80	
Rating voltage	V	30	
Conductor Resistance (20°C)	Ω/km	Max.15500	Max.12000
Insulation Resistance (20°C)	MΩ-km	Min. 1000	
Insulation Resistance	-	AC200V/60S@UnitA、AC150V/60S@UnitB	
Jacket Resistance@water	-	Withstand A.C. 500V/min.	
Characteristics impedance	-	Nom.45±5 ohm (AT 1ns @TDR)	

4. Sectional View





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Fig.1 Cable section diagram



Fig.2 : Color list

Core No.	Color	Core No.	Color
A1	Yellow	B1	Red
A2	White	B2	Purple
A3	Blue		