

SPECIFICATION

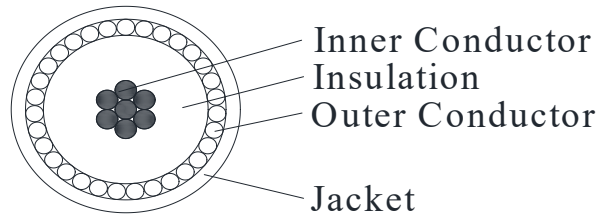
Ultrasound Probe Cable, 102C×42AWG (60pF)

www.rf-coaxial.com

1. Multi Micro-Coaxial Cable for Ultrasound Equipment.

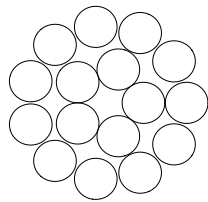
2. Construction

Single Coax		Unit	Specification
Number of Cores		-	102C
Inner Conductor	AWG Size	-	42
	Material	-	Silver plated copper alloy
	Stranding	No./mm	7/0.025
	Diameter (Nom.)	mm	0.075
Insulation	Material	-	FOAM-PFA(color:Black)
	Colour	-	Black
	Thickness (Nom.)	mm	0.09
	Diameter (Nom.)	mm	0.25±0.02
Outer Conductor	Type	-	Wrap
	Material	-	Tinned copper alloy
	Size (Nom.)	mm	0.025
	Coverage (Nom.)	-	90%
Jacket	Material	-	Polyester Tape
	Thickness (Nom.)	mm	0.02
	Colors	-	See <u>Color Section</u>
	Diameter (Nom.)	mm	0.34±0.02
Assembly	Filler	-	KEVLAR+COTTON
	Diameter (Nom.)	mm	4.8
Tape	Material	-	PTFE
	Thickness (Nom.)	mm	0.10
Braiding	Material	-	Tinned spiral copper tinsel
	Size (Nom.)	mm	0.11
	Coverage	%	≥90%
Sheath	Material	-	Non-migration PVC(color:Cool gray 2C)
	Thickness (Nom.)	mm	0.7
	Diameter (Nom.)	mm	6.8±0.3



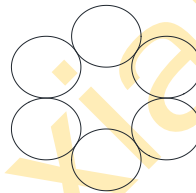
Cross Section of Single Coax

Unit-A(16C)

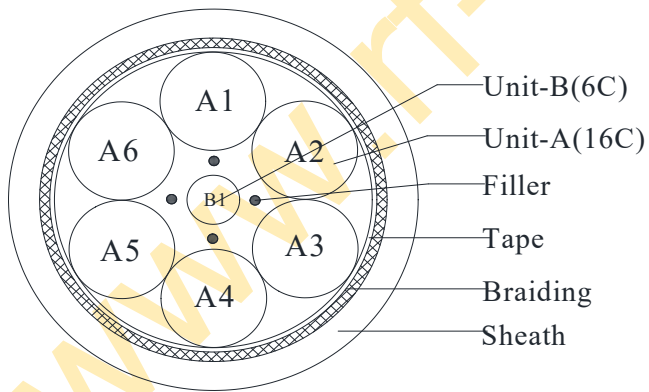


(5+11)

Unit-B(6C)



Twisting



Unit NO.	Color
A1	Black
A2	Brown
A3	Red
A4	Orange
A5	Yellow
A6	Green
B1	Blue

Cross Section of Cable

Color Section

3. Properties

Item	Unit	Specification
Rated Temperature	°C	60
Voltage rating	V	30
Conductor Resistance(@ 20°C)	Ω/km	Max. 6800
Insulation Resistance (@ 20 C)	MΩ-km	Min. 1524
Dielectric Strength	-	To withstand A.C.500V for 1min
Capacitance (@ 1kHz)	pF/m	60±7
Environmental requirement	-	RoHS