

# SPECIFICATION

P/N): EN-50ohm 138C×42AWG+8Cx30AWG

Prepared : Zach Shawn

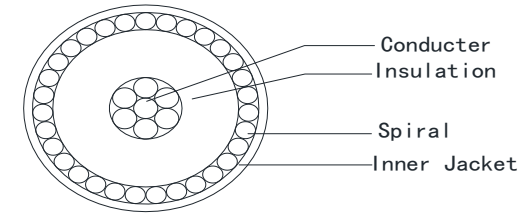
Reviewed : Ian Strong

Approved : Zac Shawn

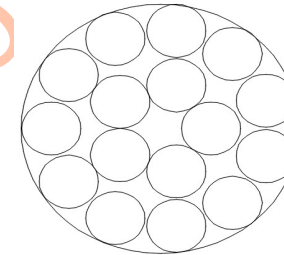
URL: [www.coaxial.com](http://www.coaxial.com) email: [sales@rf-coaxial.com](mailto:sales@rf-coaxial.com)

## Cable Layout and Specification

Item	Unit	Specified Value	Specified Value	
		42AWG Coax.	30AWG	
Number of cores		-	138C	8C
Inner Conductor	Material	-	SPCA	TC
	Stranding	No./mm	7/0.025	7/0.10
	Dia.	mm	0.075	0.30
Insulation	Material	-	PFA	PFA
	Thick.	mm	0.05	0.08
	Dia.	mm	0.19±0.02	0.47±0.05
	Color	-	Green	See Charm
Twisting		-	-	-
Outer Conductor	Type	-	Wrap	-
	Material	-	TCA	-
	Thick.	mm	-	-
Jacket	Material	-	PFA	-
	Thick.	mm	0.03	-
	Dia.	mm	0.30±0.02	-
	Color	-	See Charm	-
Binder Tape	Material	-	PTFE	-
	Thick.	-	0.05	-
Shield	Type	-	Braid	-
	Material	-	TTW	-
	Stranding	mm	0.11	-
	Coverage	%	Nom. 95	-
Sheath	Material	-	PVC	-
	Thick.	mm	0.5	-
	Dia.	mm	6.6±0.3	-
	Color	-	White	-

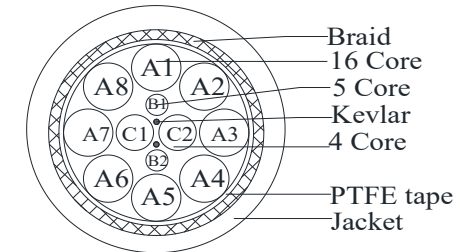


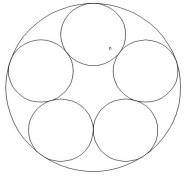
42AWG Coax.



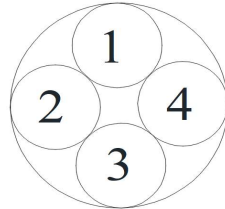
Unit A:16 coax\*42AWG

A1-A8 :Unit A





Unit B:5Coax\*42AWG  
B1-B2 Unit(B)



Unit C:4C\*30AWG  
C1-C2: Unit(C)

No.	Color	No.	Color
A1	Black	B2	Orange
A2	White	C1-1	Blue
A3	Red	C1-2	Gray
A4	Green	C1-3	Yellow
A5	Yellow	C1-4	brown
A6	Brown	C2-1	Black
A7	blue	C2-2	White
A8	Gray	C2-3	Red
B1	Orange	C2-4	Green

Item	Unit	Specified Value of 42AWG Coaxial	Specified Value of 30AWG STP
Rating temperature	°C	60	60
Rating voltage	V	30	30
Conductor resistance20°C	Ω/km	Max.7300	Max.450
Insulation Resistance 20°C	MΩ-km	Min.1000	Min.100 0
Dielectric Strength	VAC/1min	500V/Min AC	
Characteristic Impedance@2ns	Ω	Nom. 50±5	-
Capacitanceat 1kHz	pF/m	Nom. 110±10%	-
Initial			

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