

## 1. Scope

This specification covers multi micro-coaxial cable for interface use. Material MRI Compatible

## 2. Construction and material

Item:		Unit	Specified Value	
			26AWG Coaxial	26AWG Wire
Number of cores		-	4C	8C
Inner Conductor	Material	- Silver plated Copper wire Tinned copper wire		
	Stranding	No./mm	7/0.16	7/0.16
	Diameter(Nom.)	mm	0.48	0.48
Insulation	Material	-	FEP	FEP
	Thick.(Nom.)	mm	0.06	0.06
	Diameter	mm	1.40±0.05	1.10±0.05
	Color	-	Natural	See Fig.2
Spiral Shield	Material	-	Tinned copper wire	-
	Strand Dia. (approx.)	mm	16/5/0.08	
	Dia.(approx.)	mm	1.720	
Jacket	Material	-	FEP	
	Thick.(Nom.)	mm	0.035	
	Diameter	mm	2.50±0.05	
	Color	- See Fig.2		
Assembly Diameter 1 (Nom.)		mm	7.5	
Binder Tape(1)	Material	-	Paper	
	Thickness (Nom.)	mm	0.05	
Braid Shield	Material	-	Tinned copper wire	
	Strand Dia. (approx.)	Mm	0.08	
	Dia.(approx.)	Mm	7.92	
	Coverage	%	80%	
Sheath	Material	-	Medical grade MRi compatible PVC White	
	Thickness (Nom.)	mm	0.75	
	Diameter	mm	9.5±0.20	

## 3. Electrical Properties

Item	Unit	Specified Value	
		26AWG Coaxial	26AWG Wire
Rating temperature	°C	80	80
Rating voltage	V	30	30
Conductor Resistance (20°C)	Ω/km	Max.149	Max.149
Insulation Resistance* (20°C)	MΩ-km	Min. 1,000	Min. 1,000
Characteristic Impedance(@2ns)	Ω	Nom.50±3	-

## 4. Packing

- (1) Unit length(Min) : 100m(Min.10)
- (2) Package : Coiled into carton box

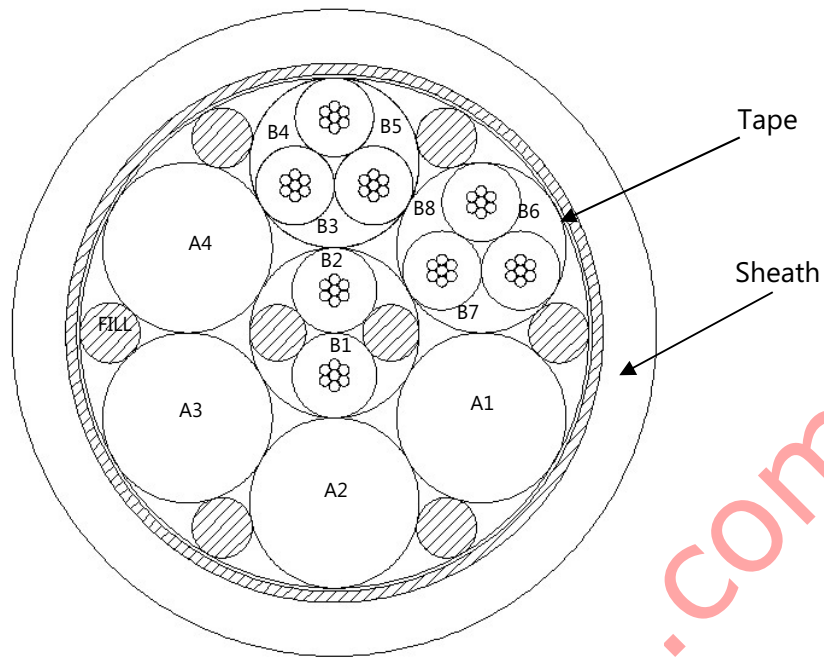


Fig.1 Cross section view of cable

NO	Color	NO	Color
A1	Black	B3	Brown
A2	Brown	B4	Red
A3	Grey	B5	Orange
A4	White	B6	Green
B1	White	B7	Blue
B2	Black	B8	Yellow