

### 1. Scope

This specification covers the construction and the electrical properties of 26 Core Multi Cable with Braid. MRI Compatible

### 2. Construction and material

Item		Unit	Specified Value	
			32AWG Coaxial (A)	28AWG Wire(B)
Number of cores		-	8	18
Inner Conductor	Material	-	Silver plated Copper wire	
	Stranding	No./mm	1/0.21	7/0.127
	Diameter(Nom.)	mm	0.20	0.50
Insulation	Material	-	FEP	FEP
	Thick.(Nom.)	mm	0.20	0.15
	Diameter	mm	0.60±0.02	0.70±0.02
	Color	-	Nature	See Fig.1
Braid Shielding	Material	-	Silver plated Copper wire	
	Strand Dia. (approx.)	mm	0.08	-
	Dia.(approx.)	mm	0.92	-
	Coverage	%	90%	-
Sheath	Material	-	FEP	-
	Thick.(Nom.)	mm	0.05	-
	Diameter	mm	1.18±0.03	-
	Color	-	See Fig.1	-
Assembly Diameter(Nom.)1		mm	3.83(See Fig.1)	
Assembly Diameter(Nom.)2			5.23	
Tape1	Material	-	PTFE	
	Thick.(Nom.)	mm	0.05	
	Diameter	mm	5.43	
Braid Shielding	Material	-	Tinned copper wire	
	Dia.(approx.)	mm	0.12	
	Coverage	%	85%	
Tape2	Material	-	PTFE	
	Thick.(Nom.)	mm	0.05	
	Diameter	mm	6.10	
Sheath	Material	-	TPU	
	Thickness (Nom.)	mm	1.15	
	Diameter	mm	8.40±0.20	
	Color	-	Gray	

### 3. Electrical Properties

Item	Unit	Specified Value	
		32AWG Coaxial	28AWG Wire
Rating temperature	°C	80	80
Rating voltage	V	30	30
Conductor Resistance (20°C)	Ω/km	Max.560	Max.223
Insulation Resistance* (20°C)	MΩ-km	Min. 1,524	Min. 1,524
Dielectric Strength	VAC/Min	500	100

Attenuation	12MHz	DB/M	0.217	-
	63 MHz		0.495	
	123 MHz		0.691	
	135 MHz		0.725	
	300 MHz		1.088	
VSWR		-	<1.3	

#### 4. Packing

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

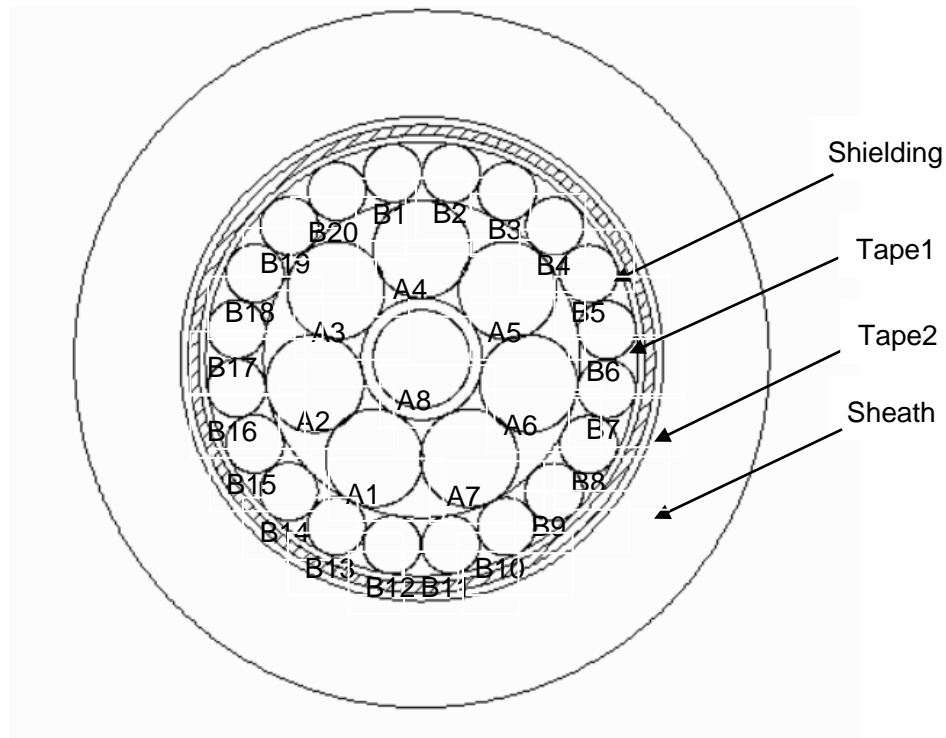
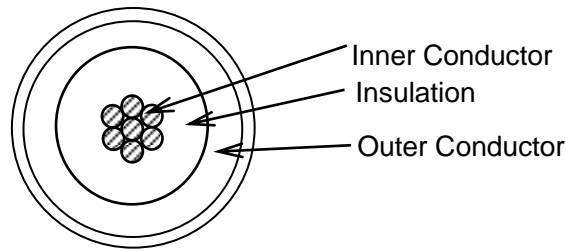


Fig.1 Cross section view of cable

NO	Color	NO	Color	NO	Color	NO	Color	NO	Color
A1	Blue	A7	Orange	B5	Gray	B11	Natural	B17	Yellow/Black
A2	Brown	A8	White	B6	Pink	B12	Orange	B18	Green/Black
A3	Green	B1	White	B7	Blue	B13	Natural/Black	B19	COTTON
A4	Yellow	B2	Brown	B8	Red	B14	Brown/Black	B20	COTTON
A5	Black	B3	Green	B9	Black	B15	Red/Black	-	
A6	Red	B4	Yellow	B10	Violet	B16	Orange/Black		