

1. Scope

This specification covers the construction and the electrical properties of 24 Core Multi Cable with Braid.

2. Construction and material

Item		Unit	Specified Value	
			32AWG Coaxial (A)	26AWG Wire(B)
Number of cores		-	12	12
Inner Conductor	Material	-	Silver plated Copper wire	
	Stranding	No./mm	1/0.20	19/0.10
	Diameter(Nom.)	mm	0.20	0.50
Insulation	Material	-	FEP	FEP
	Thick.(Nom.)	mm	0.20	0.15
	Diameter	mm	0.60±0.02	0.80±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	3.3(See Fig.1)	
Assembly Diameter(Nom.)2			5.88	
Tape1	Material	-	PTFE	
	Thick.(Nom.)	mm	0.05	
	Diameter	mm	6.08	
Braid Shielding	Material	-	Tinned copper wire	
	Dia.(approx.)	mm	0.12	
	Coverage	%	85%	
Tape2	Material	-	PTFE	
	Thick.(Nom.)	mm	0.05	
	Diameter	mm	6.76	
Sheath	Material	-	TPU	
	Thickness (Nom.)	mm	0.85	
	Diameter	mm	8.50±0.20	
	Color	-	Gray	

3. Electrical Properties

Item	Unit	Specified Value	
		32AWG Coaxial	26AWG Wire
Rating temperature	℃	80	80
Rating voltage	V	30	30
Conductor Resistance (20℃)	Ω/km	Max.560	Max.140
Insulation Resistance* (20℃)	MΩ-km	Min. 1,524	Min. 1,524
Dielectric Strength	VAC/Min	500	100

4. Packing

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

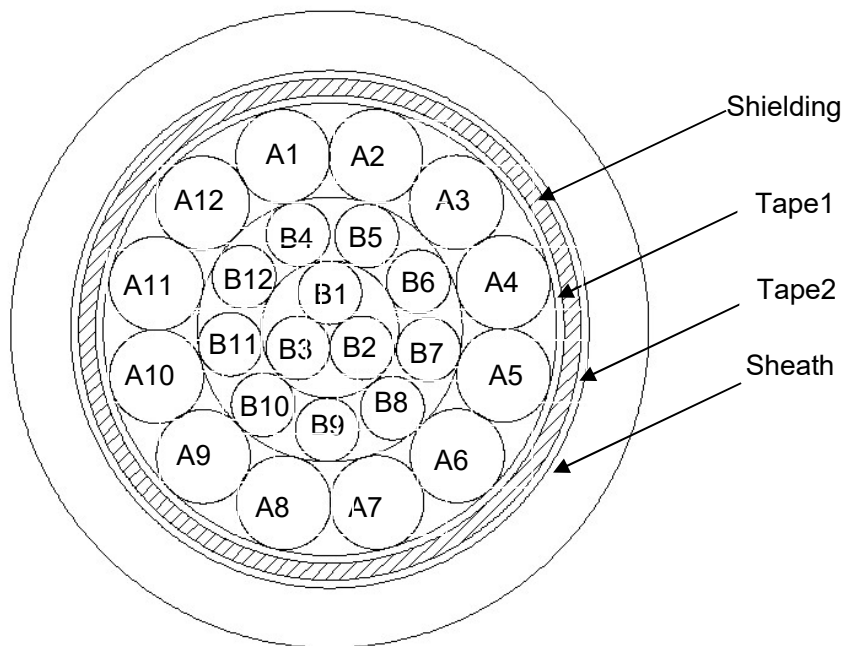
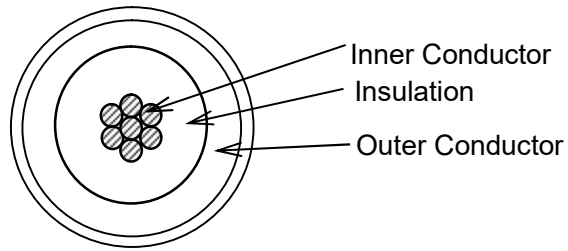


Fig.1 Cross section view of cable

NO	Color	NO	Color	NO	Color	NO	Color
A1	White	A7	Blue	B1	White	B7	Blue
A2	Brown	A8	Red	B2	Brown	B8	Red
A3	Green	A9	Black	B3	Green	B9	Black
A4	Yellow	A10	Violet	B4	Yellow	B10	Violet
A5	Gray	A11	Natural	B5	Gray	B11	Natural
A6	Pink	A12	Orange	B6	Pink	B12	Orange