

1. Scope

This specification covers the construction and the electrical properties of 20 Core Multi Cable .

2. Construction and material

Item	Unit	Specified Value	
		32AWG Coaxial (A)	28AWG Wire(B)
Number of cores	-	8	12
Inner Conductor	Material	-	Silver plated Copper wire
	Stranding	No./mm	1/0.21
	Diameter(Nom.)	mm	0.20
Insulation	Material	-	FEP
	Thick.(Nom.)	mm	0.20
	Diameter	mm	0.60±0.02
	Color	-	Nature
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	0.09
	Diameter	mm	1.10±0.03
	Color	-	See Fig.1
Assembly Diameter(Nom.)1	mm	4.32(See Fig.1)	
Tape1	Material	-	PTFE
	Thick.(Nom.)	mm	0.05
	Diameter	mm	4.42
Braid Shielding	Material	-	Tinned copper wire
	Dia.(approx.)	mm	0.08
	Coverage	%	85%
	Diameter	mm	4.74
Tape2	Material	-	PTFE
	Thick.(Nom.)	mm	0.05
	Diameter	-	4.84

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
Characteristic Impedance	Ω	50±3	
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

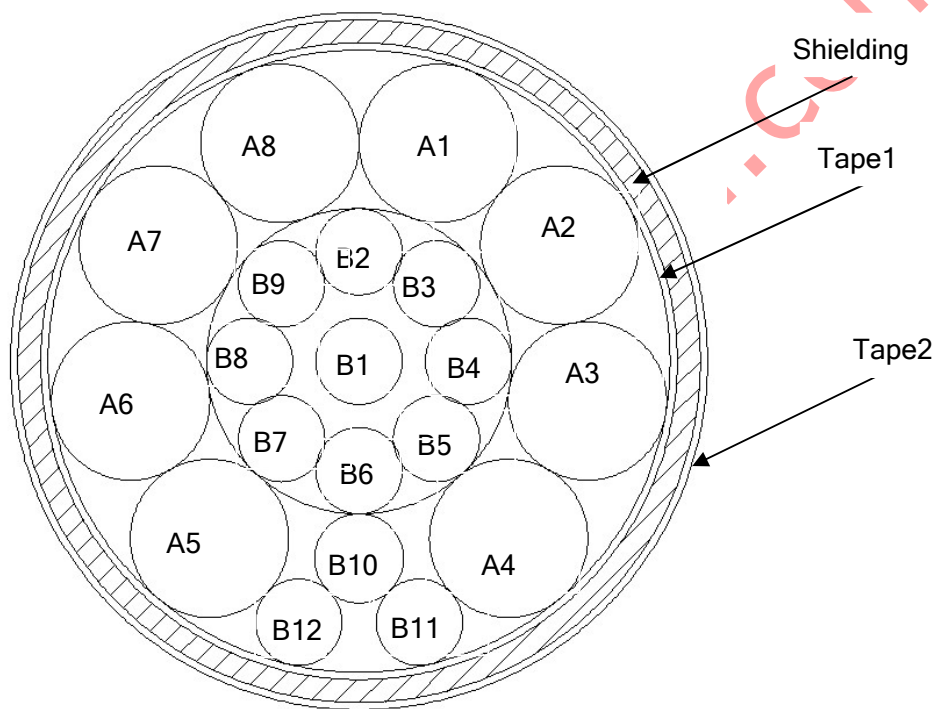
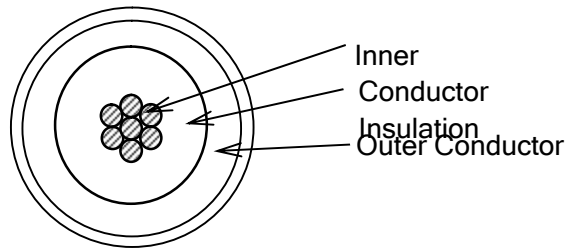


Fig.1 Cross section view of cable

NO	Color	NO	Color	NO	Color	NO	Color
A1	Black	A7	Blue	B1	Black	B7	Blue
A2	White	A8	Red	B2	White	B8	Red
A3	Yellow	-		B3	Yellow	B9	Orange
A4	Brown			B4	Brown	B10	Violet
A5	Green			B5	Green	B11	Nature
A6	Gray			B6	Gray	B12	Dark Blue