

### 1. Scope

This specification covers the construction and the electrical properties of 10 Core Multi Cable with Braid.

### 2. Construction and material

Item		Unit	Specified Value
			30AWG Coaxial (A)
Number of cores		-	10
Inner Conductor	Material	-	Silver plated Copper wire
	Stranding	No./mm	7/0.105
	Diameter(Nom.)	mm	0.305
Insulation	Material	-	FEP
	Thick.(Nom.)	mm	0.29
	Diameter	mm	0.90±0.02
	Color	-	Nature
Braid Shielding	Material	-	Silver plated Copper wire-
	Strand Dia. (approx.)	mm	0.10
	Dia.(approx.)	mm	1.30
	Coverage	%	90%
Sheath	Material	-	FEP
	Thick.(Nom.)	mm	0.05
	Diameter	mm	1.80±0.10
	Color	-	See Fig.1
Assembly Diameter(Nom.)1		mm	7.20(See Fig.1)
Tape1	Material	-	PTFE
	Thick.(Nom.)	mm	0.05
	Diameter	mm	7.30
Braid Shielding	Material	-	Tinned copper wire
	Dia.(approx.)	mm	7.78
	Coverage	%	85%
Tape2	Material	-	PTFE
	Thick.(Nom.)	mm	0.05
	Diameter	mm	8.00
Sheath	Material	-	TPU
	Thickness (Nom.)	mm	1.00
	Diameter	mm	10.0±0.30
	Color	-	White or Gray

### 3. Electrical Properties

Item	Unit	Specified Value
		30AWG Coaxial
Rating temperature	°C	80
Rating voltage	V	30
Conductor Resistance (20°C)	Ω/km	Max.377
Insulation Resistance* (20°C)	MΩ-km	Min. 1,524
Dielectric Strength	VAC/Min	500

Characteristic Impedance		$\Omega$	$50 \pm 3$	
Attenuation	12MHz	DB/M		-
	63 MHz			
	123 MHz			
	135 MHz			
	300 MHz			
VSWR		-	<1.3	

#### 4. Packing

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

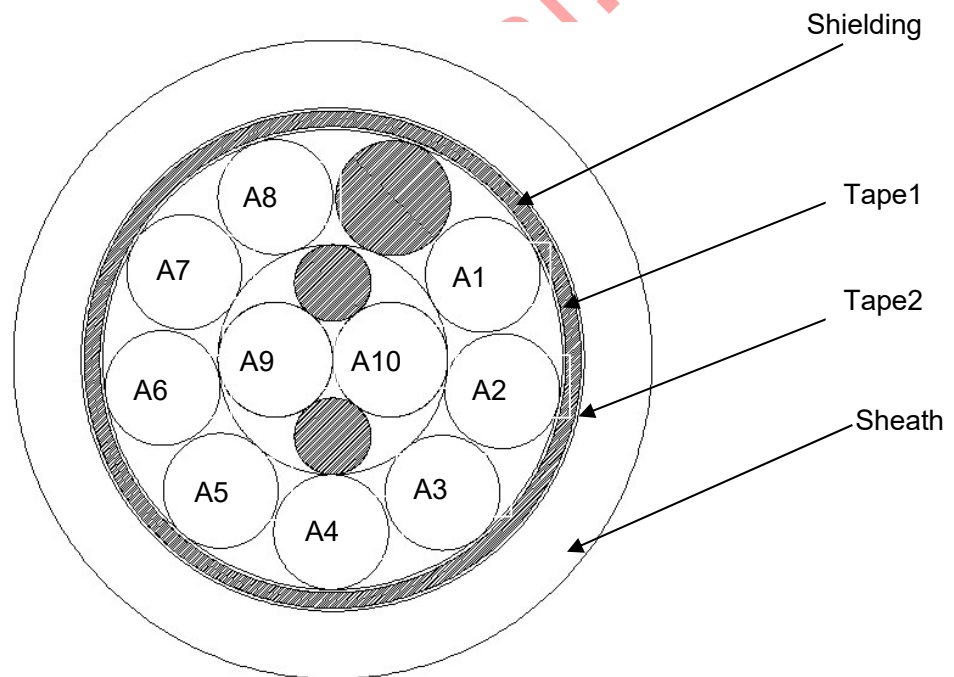
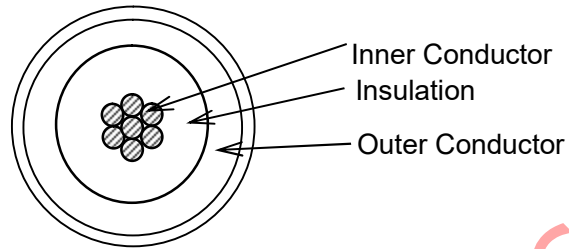


Fig.1 Cross section view of cable

NO	Color	NO	Color	NO	Color
A1	Blue	A5	Black	A9	Orange
A2	Brown	A6	Red	A10	Pink
A3	Green	A7	White	A11	Violet
A4	Yellow	A8	Gray		