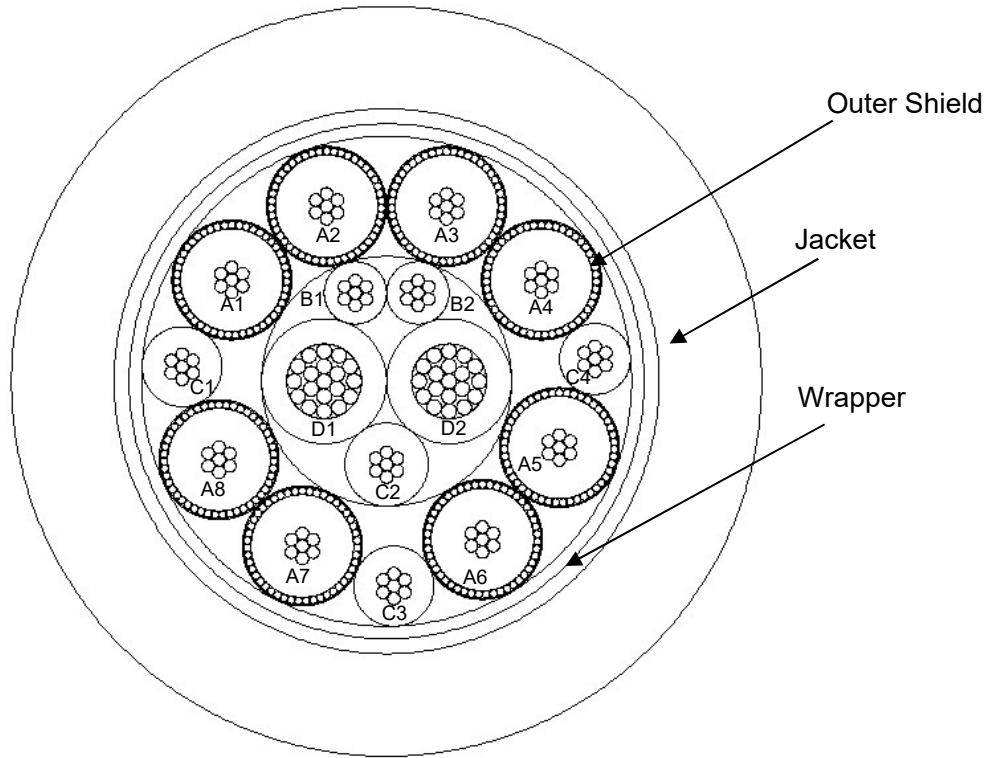


# 16C (8CX36AWG+1PX36AWG+4X36AWG+2X28AWG)

## 1.Scope

This specification covers the construction and the electrical properties of 16 Core Multi Cable with Braid Shield.

AWG36/AWG36/AWG34/AWG28



## 3. Constructure

Items		Unit	A Core AWG36*8C	B Core AWG34*2C	C Core AWG34*4C	D Core AWG28X2C
Inner Conductor	Material	-	Tin Plated copper	Tin Plated copper	Tin Plated copper	Tin Plated copper
	Structure	strands/mm	7/0.050	7/0.060	7/0.06	61/0.04
	O D Nom.	mm	0.150	0.180	0.24	0.36
Insulation	Material	-	FEP(White)	FEP(Green、Wht)	FEP(Blue/Yellow/ Brown/Green)	FEP(Red)
	Thick Nom	mm	0.115	0.045	0.06	0.06
	O D Nom.	mm	0.38±0.05	0.29±0.05	0.32±0.05	0.48±0.05
Shield	Material	-	Tin Plated copper			
	Structure	-	0.03 Spiral			
	Coverage	%	Nom.95			
Wrapper	material	-	PET Tape (Colors: See Charm		-	--
	Structure		Wrapping			
	Nom.OD mm		0.47±0.05	0.54		
Assembly※		Center	(A) × 8 + (B) × 1+(C) × 4 + (D) × 2			

Wrapper	Material	-	PET 0.02X7
Outer Shield	Material	-	Tin plated copper wire
	Structure	mm	Bared Copper 0.05
Jacket	Material	-	PVC (Black)
	Thick Nom.	mm	0.30
	OD	mm	2.6±0.20

※ 4. Electronic Properties (20°C )

Items	Unit	A Core AWG36*8C	B core AWG34 (2C)	C Core AWG34*4C	D Core AWG28*2C
Condu.Res (@20°C)	Ω /km	MAX. 1,500	MAX. 1000	MAX. 1000	MAX. 190
Insul.Res. (@20°C)	MΩ • km	MIN. 1524	MIN. 1524	MIN. 1524	MIN. 1524
Hipot testing	V (AC) /min	500	500	500	500
impedance (@1ns)	Ω	90±5 (2C)	90±15 (2C)	--	--
SKEW/※	ps/m	Max. 20	Max. 50	--	--
Attenuation ※ (GHz)	dB/m		-	--	--

SKEW refers to the differential mode test between black-white, yellow-brown, green-grey, and cyan-red

Insulation color

NO.	Wire	Insulation Colors	Wrapper Colors
1	B1	White	
2	D1	Red	-
3	B2	Green	
4	C1	Blue	-
5	A1	White	Black
6	A2	White	White
7	C2	Yellow	-
8	A3	White	Yellow
9	A4	White	Brown
10	C3	Brown	-
11	A5	White	Green
12	A6	White	Gray
13	C4	Green	-
14	A7	White	Blue
15	A8	White	Red
16	C4	Yellow	