



Cores	Size of conductor AWG	Composition	A②		B②	
			Size of conductor AWG	Composition	Size of conductor AWG	Composition
③ 05	28	7/0.127	4.00±0.20	5.00±0.20	24	28
08	28	7/0.127	7.00±0.20	8.00±0.20	25	28
09	28	7/0.127	8.00±0.20	9.00±0.20	26	28
10	28	7/0.127	9.00±0.20	10.0±0.20	30	28
12	28	7/0.127	11.0±0.20	12.0±0.20	34	28
14	28	7/0.127	13.0±0.25	14.0±0.25	③ 37	28
16	28	7/0.127	15.0±0.25	16.0±0.25	40	28
18	28	7/0.127	17.0±0.25	18.0±0.25	44	28
20	28	7/0.127	19.0±0.25	20.0±0.25	50	28

①

1

2

3

4

5

6

7

A

**Material**  
 ① Insulation: PVC Color: Brown, Red, Orange, Yellow, Green, Blue, Purple, Grey, White, Black

Insulation thickness: 9.5mil ave ; 8.5mil min.

**Conduction**  
 AWG size: 28AWG  
 Number of stands in each conductor: 7/0.127mm TC  
 Lay of strands in each conductor: 0.5 inch at least  
 Cross section area: 156 circular mil

B

C

**Electronic characteristics**

Spark test: 2500 V

Dielectric strength test: 2000V min. in 1 minute

Conductor resistance: 237Ω max./KM

Insulation resistance: 100MΩ max./KM

Capacity: 40pF/M

Inductance: 1.45μH/M

Impedance: 100Ω

Propagation delay time: 4.2ns/m

C

D

**Cable physical properties**

After seven days air oven at 136°C

Average tensile strength: 1500 Tlbs/inch<sup>2</sup>

Percent of original: 70% at least

Average elongation: 200%

Percent of original: 65% at least

D

E

UL style: 2651

Rated temperature: 105°C

Rated voltage: 300V

Passes VW-1 vertical flame test

F

**RoHS compliant**

Unit: mm

Scale

Free

TOLERANCE

DIM

TOL

Angle

TOL

Customer-No.

Date

Name

Drawn

Approved

ASSMANN WSW-No.

AWG28-xx/F-1/300

Drawing-No.

ASS 7311 CA

Replace

rev03

G

1

2

3

4

5

6

7

H

**ASSMANN**  
 WSW components

Sheet