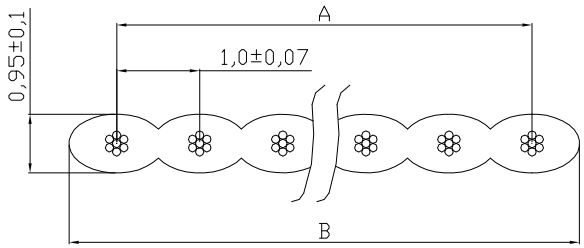

Cores	Size of conductor		A②	B②	Cores	Size of conductor		A②	B②
	AWG	Composition				AWG	Composition		
08	28	7/0.127	7.00±0.20	8.00±0.20	24	28	7/0.127	23.0±0.25	24.0±0.25
09	28	7/0.127	8.00±0.20	9.00±0.20	25	28	7/0.127	24.0±0.25	25.0±0.25
10	28	7/0.127	9.00±0.20	10.0±0.20	26	28	7/0.127	25.0±0.25	26.0±0.25
12	28	7/0.127	11.0±0.20	12.0±0.20	30	28	7/0.127	29.0±0.30	30.0±0.30
14	28	7/0.127	13.0±0.25	14.0±0.25	34	28	7/0.127	33.0±0.30	34.0±0.30
16	28	7/0.127	15.0±0.25	16.0±0.25	40	28	7/0.127	39.0±0.35	40.0±0.35
18	28	7/0.127	17.0±0.25	18.0±0.25	44	28	7/0.127	43.0±0.35	44.0±0.35
20	28	7/0.127	19.0±0.25	20.0±0.25	50	28	7/0.127	49.0±0.35	50.0±0.35 ①

Material
①Insulation: 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

Electronic characteristics
Spark test: 2500 V
Dielectri 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

Cable physical properties
After seven days air oven at 136°C
Average tensile strength: 1500 Tbs/inch²
Percent of original: 70% at least
Average elongation: 200%
Percent of original: 65% at least

UL style: 2651
Rated temperature: 105°C
Rated voltage: 300V
Passes VW-1 vertical flame test

RoHS compliant
Unit: mm

Scale	Free
TOLERANCE	
DIM	TOL
Angle	TOL

Id.	Modification	Date	Name
②	Update the tolerance	04.11.2015	Amy
①	Update	08.04.2015	Amy
⓪	Drawn	30.01.2015	Amy

	Date	Name
Drawn	30.01.2015	Amy
Approved	04.11.2015	Amy

ASSMANN WSW components

Customer-No.

ASSMANN WSW-No.
AWG28-xx/F-1/300

Drawing-No.
ASS 7311 CA

rev02

Replace

Sheet