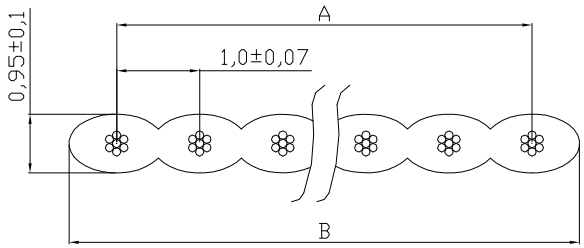

	Cores	Size of conductor AWG	Size of conductor Composition	A②	B②	Cores	Size of conductor AWG	Size of conductor Composition	A②	B②	
③	05	28	7/0.127	4.00±0.20	5.00±0.20	24	28	7/0.127	23.0±0.25	24.0±0.25	
	08	28	7/0.127	7.00±0.20	8.00±0.20	25	28	7/0.127	24.0±0.25	25.0±0.25	
	09	28	7/0.127	8.00±0.20	9.00±0.20	26	28	7/0.127	25.0±0.25	26.0±0.25	
	10	28	7/0.127	9.00±0.20	10.0±0.20	30	28	7/0.127	29.0±0.30	30.0±0.30	
	12	28	7/0.127	11.0±0.20	12.0±0.20	34	28	7/0.127	33.0±0.30	34.0±0.30	
	14	28	7/0.127	13.0±0.25	14.0±0.25	③37	28	7/0.127	36.0±0.30	37.0±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
③	Add more cores	05.08.2016	Amy
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	05.08.2016	Amy

ASSMANN WSW components

Customer-No.

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

Drawing-No.
ASS 7311 CA

rev03

Replace

Sheet