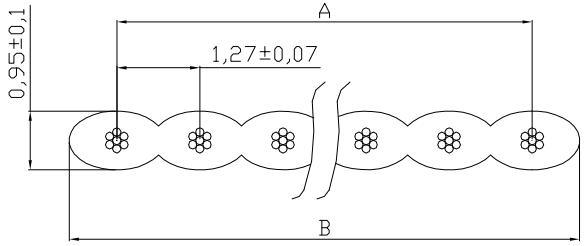

	Cores	Size of conductor AWG	Size of conductor Composition	A②	B②	Cores	Size of conductor AWG	Size of conductor Composition	A②	B②	
	09	28	7/0.127	10.16±0.25	11.43±0.25	25	28	7/0.127	30.48±0.30	31.75±0.30	
	10	28	7/0.127	11.43±0.25	12.70±0.25	26	28	7/0.127	31.75±0.30	33.02±0.30	
	12	28	7/0.127	13.97±0.25	15.24±0.25	30	28	7/0.127	36.83±0.35	38.10±0.35	
	14	28	7/0.127	16.51±0.25	17.78±0.25	34	28	7/0.127	41.91±0.35	43.18±0.35	
③	15	28	7/0.127	17.78±0.25	19.05±0.25	37	28	7/0.127	45.72±0.35	46.99±0.35	
	16	28	7/0.127	19.05±0.25	20.32±0.25	40	28	7/0.127	49.53±0.35	50.80±0.35	
	18	28	7/0.127	21.59±0.30	22.86±0.30	50	28	7/0.127	62.23±0.35	63.50±0.35	①
	20	28	7/0.127	24.13±0.30	25.40±0.30	60	28	7/0.127	74.93±0.40	76.20±0.40	①
	24	28	7/0.127	29.21±0.30	30.48±0.30	64	28	7/0.127	80.01±0.40	81.28±0.40	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 15th core	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/300

Drawing-No.
ASS 7310 CA

rev03

Replace

Sheet