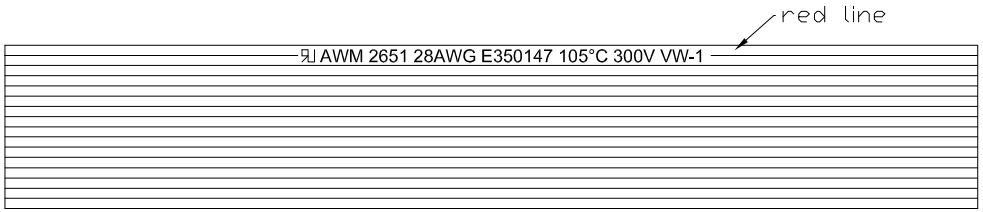

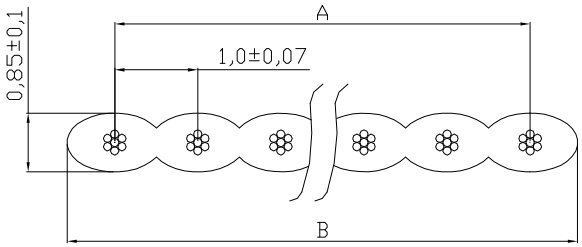

	Cores	Size of conductor AWG	Size of conductor Composition	A①	B①	Cores	Size of conductor AWG	Size of conductor Composition	A①	B①
②	05	28	7/0.127	4.00±0.18	5.00±0.18	24	28	7/0.127	23.0±0.22	24.0±0.22
	08	28	7/0.127	7.00±0.18	8.00±0.18	25	28	7/0.127	24.0±0.22	25.0±0.22
	09	28	7/0.127	8.00±0.18	9.00±0.18	26	28	7/0.127	25.0±0.22	26.0±0.22
	10	28	7/0.127	9.00±0.18	10.0±0.18	30	28	7/0.127	29.0±0.25	30.0±0.25
	12	28	7/0.127	11.0±0.18	12.0±0.18	34	28	7/0.127	33.0±0.25	34.0±0.25
	14	28	7/0.127	13.0±0.18	14.0±0.18	② 37	28	7/0.127	36.0±0.25	37.0±0.25
	16	28	7/0.127	15.0±0.22	16.0±0.22	40	28	7/0.127	39.0±0.25	40.0±0.25
	18	28	7/0.127	17.0±0.22	18.0±0.22	44	28	7/0.127	43.0±0.28	44.0±0.28
	20	28	7/0.127	19.0±0.22	20.0±0.22	50	28	7/0.127	49.0±0.28	50.0±0.28

Material
Insulation: PVC Grey cable Red line
Insulation thickness: 9mil ave ; 7mil 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	Add more cores	05.08.2016	Amy
①	Update the tolerance	04.11.2015	Amy
⓪	Drawn	24.04.2015	Amy

	Date	Name
Drawn	24.04.2015	Amy
Approved	05.08.2016	Amy

ASSMANN wsw components

Customer-No.

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

Drawing-No.
ASS 7307 CA

rev02

Replace

Sheet