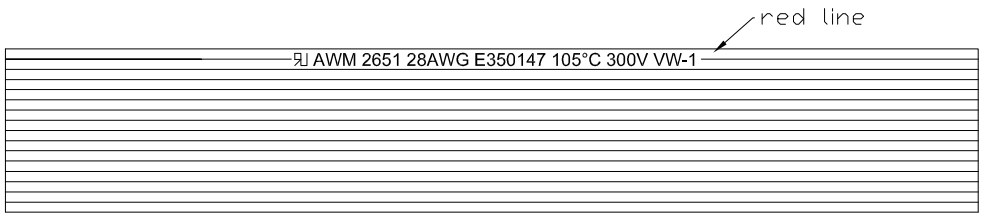

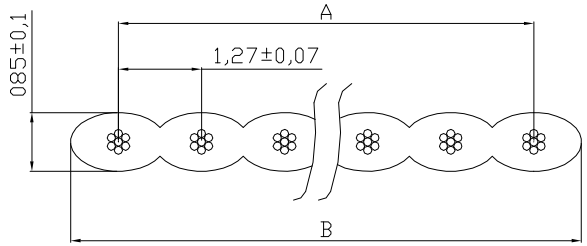

Cores	Size of conductor		A①	B①	Cores	Size of conductor		A①	B①
	AWG	Composition				AWG	Composition		
02	28	7/0.127	1.27±0.15	2.54±0.15	18	28	7/0.127	21.59±0.30	22.86±0.30
03	28	7/0.127	2.54±0.15	3.81±0.15	20	28	7/0.127	24.13±0.30	25.40±0.30
04	28	7/0.127	3.81±0.15	5.08±0.15	24	28	7/0.127	29.21±0.30	30.48±0.30
05	28	7/0.127	5.08±0.20	6.35±0.20	25	28	7/0.127	30.48±0.30	31.75±0.30
06	28	7/0.127	6.35±0.20	7.62±0.20	26	28	7/0.127	31.75±0.30	33.02±0.30
07	28	7/0.127	7.62±0.20	8.89±0.20	30	28	7/0.127	36.83±0.35	38.10±0.35
08	28	7/0.127	8.89±0.20	10.16±0.20	34	28	7/0.127	41.91±0.35	43.18±0.35
09	28	7/0.127	10.16±0.25	11.43±0.25	37	28	7/0.127	45.72±0.35	46.99±0.35
10	28	7/0.127	11.43±0.25	12.70±0.25	40	28	7/0.127	49.53±0.35	50.80±0.35
11	28	7/0.127	12.70±0.25	13.97±0.25	50	28	7/0.127	62.23±0.35	63.50±0.35
12	28	7/0.127	13.97±0.25	15.24±0.25	60	28	7/0.127	74.93±0.40	76.20±0.40
13	28	7/0.127	15.24±0.25	16.51±0.25	64	28	7/0.127	80.01±0.40	81.28±0.40
14	28	7/0.127	16.51±0.25	17.78±0.25					
15	28	7/0.127	17.78±0.25	19.05±0.25					
16	28	7/0.127	19.05±0.25	20.32±0.25					

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				Date	Name	Customer-No.
TOLERANCE				Drawn	24.04.2015	Amy	
				Approved	04.11.2015	Amy	ASSMANN WSW-No. AWG28-xx/G/300
DIM	TOL	①	Update the tolerance	04.11.2015	Amy		Drawing-No. ASS 7306 CA rev01
		⓪	Drawn	24.04.2015	Amy		
Angle	TOL	Id.	Modification	Date	Name		Replace / Sheet

ASSMANN wsw components