



Cores	Size of conductor AWG	Composition	A ②		Cores	Size of conductor AWG	Composition	A ②		B ②	
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		
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
 ① Insulation: 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/finch²
 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	Customer-No.	
TOLERANCE		Date	Name
		30.01.2015	Amy
		05.08.2016	Amy
		04.11.2015	Amy
		Approved	
		05.08.2016	Amy
DIM	TOL	ASSMANN WSW-No. AWG28-xx/F/300	
①	Update	Drawing-No. ASS 7310 CA	
①	Drawn	Replace rev03	
①	Id.	Sheet	
Angle	TOL	ASSMANN WSW components	
		Date	
		Name	
		Date	
		Name	

1	2	3	4	5	6	7
H	G	F	E	D	C	B
1	2	3	4	5	6	7
H	G	F	E	D	C	B