

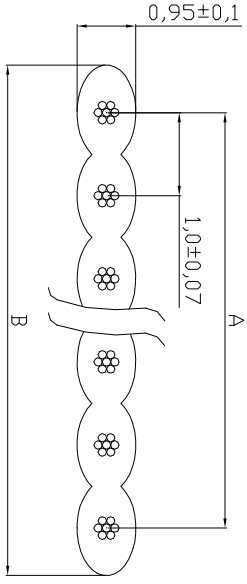
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1 2 3 4 5 6 7



Size of conductor AWG	Composition	A②	B②	Cores <sup>①</sup>	Size of conductor AWG	Composition	A②	B②
08	28	7/0.127	8.00±0.20	24	28	7/0.127	23.0±0.25	24.0±0.25
09	28	7/0.127	8.00±0.20	25	28	7/0.127	24.0±0.25	25.0±0.25
10	28	7/0.127	9.00±0.20	26	28	7/0.127	25.0±0.25	26.0±0.25
12	28	7/0.127	11.0±0.20	30	28	7/0.127	29.0±0.30	30.0±0.30
14	28	7/0.127	13.0±0.25	34	28	7/0.127	33.0±0.30	34.0±0.30
16	28	7/0.127	15.0±0.25	40	28	7/0.127	39.0±0.35	40.0±0.35
18	28	7/0.127	17.0±0.25	44	28	7/0.127	43.0±0.35	44.0±0.35
20	28	7/0.127	19.0±0.25	50	28	7/0.127	49.0±0.35	50.0±0.35

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  
 Dielectric 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 Tlbs/inch<sup>2</sup>  
 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	①	Update		08.04.2015	Amy	
		②	Update the tolerance		04.11.2015	Amy	
		①	Drawn		30.01.2015	Amy	
Angle	TOL	Id.	Modification				

Date	Name	Customer-No.	Drawing-No.	Replace	Sheet
30.01.2015	Amy		ASSMANN WSW-No. AWG28-xx/F-1/300	ASS 7311 CA	rev02
04.11.2015	Amy				



ASSMANN WSW components

G F E D C B A H