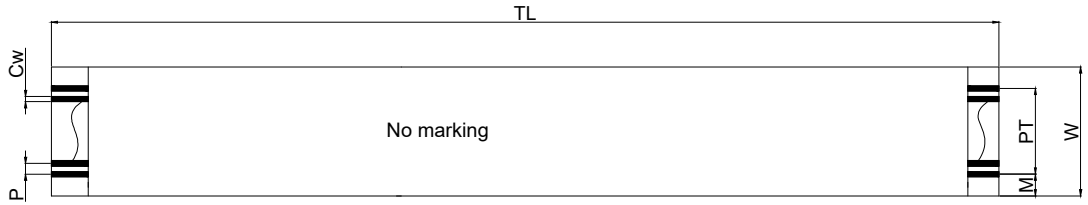

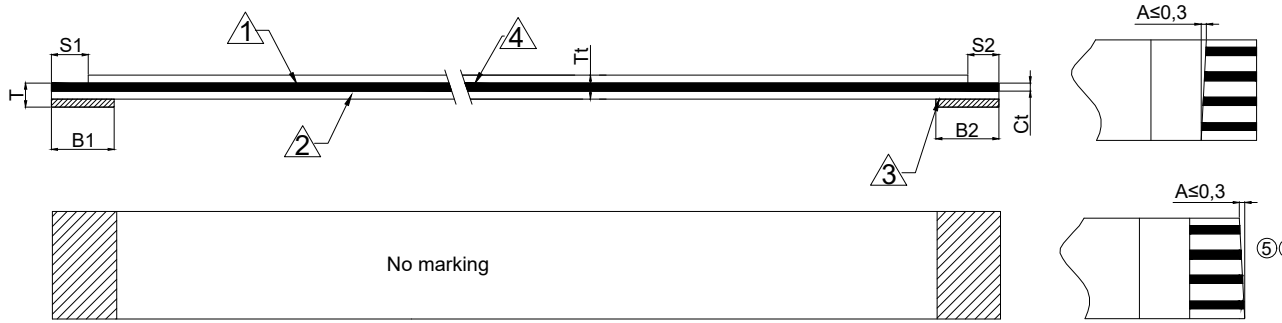

②SPECIFITION:

Electrical
1. Current rating: 0.5A max.
2. Voltage rating: 90V
3. Insulation resistance: 1000MΩ min. 500VDC
4. Dielectric strength: 500VAC/minute
⑥ 5. Conductor resistance:≤2.2Ω/m
6. Contact resistance: <20mΩ

Mechanical
1. Elongation of insulator: >60%
2. Tensile strenght of insulator: >3.5kg/mm²
3. Flexing test: 180° > 20 times
4. Abrasion: >10000 times
5. Durability: >20 cycles

Environmental
1. Operating temperature: -40 ~ +105°C
2. Heat resistance: 85°C 96hours
3. Moisture resistance: 40°C 95% RH 96hours
4. Flammability rating: UL Sub.758
UL20890 105°C 90V VW-1

⑤③ Packaging: 100pcs/PE bag

Spec				Spec			
Conductor poles	N	①4-80P		Strip length	S1	3.5	±0.5
Pitch	P	0.5	±0.05		S2	3.5	±0.5
Total cable length	TL	see order code		Support tape length	B1	6.0	±1.0
Total pitch	PT	(N-1)xP	±0.06		B2	6.0	±1.0
Total width	W	(N+1)xP	±0.06	Mating thickness	T	0.303	±0.05
Edge distance	M	0.5 ③	±0.10	Cable thickness	Tt	0.121	±0.05
				Cutting slope	A	≤0.3	

WSW order code:
AFFC-050-xx-xxx-11

No. of poles
①04~80

Total Cable length
051: 50,80±1mm
076: 76,20±2mm
102: 101,6±2mm
127: 127±2mm
153: 152,4±2mm
⑦ 700: 700±10mm

Construction			
No.	Name	Spec.	
1	Insulation thickness	No marking 43µm PET	
2	Insulation thickness	No marking 43µm PET	
3	Support tape tk.	PET Blue 225µm	
4	Conductor (Tinned copper) 1um min. Tin plated	thickness Ct	0,035±0,005
		Width Cw	0,30±0,03

RoHS compliant
Unit: mm

Scale	Free
TOLERANCE	
XX	±5
X	±1
X.X	±0.2
DIM	TOL
Angle	TOL

Id.	Modification	Date	Name
⑧	Change of production location and delete E-file number	11.06.2025	Segal
⑦	Add a length 700mm	07.08.2023	Segal
⑥	Update the conductor resistance description	15.12.2022	Segal
⑤	Update the packing quantity	11.12.2019	Segal
④	Add WSW UL No.	14.05.2019	Amy
③	Add package qty and revise tolerance	23.10.2018	Amy

	Date	Name
Drawn	30.06.2016	Amy
Approved	11.06.2025	Segal

ASSMANN wsw components
A company of BCS

Description: 0.5mm pitch FFC cable

ASSMANN WSW-No.
AFFC-050-xx-xxx-11

Drawing-No.
ASS 7540 CA

rev08

Customer-No.

Sheet 1/1