



- ② SPECIFICATION:
- 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
- ④ WSW UL No.: E506903
- ⑤③ Packaging: 100pcs/PE bag

Spec				Spec			
Conductor poles	N	① 4-80P	±0.05	Strip length	S1	3.5	±0.5
Pitch	P	0.5		S2	3.5	±0.5	
Total cable length	TL	see order code	±0.06	Support tape length	B1	6.0	±1.0
Total pitch	PT	(N-1)xP		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 ① 04~80

Total Cable length

- 051: 50,80±1mm
- 076: 76,20±2mm
- 102: 101,6±2mm
- 127: 127±2mm
- 153: 152,4±2mm

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

G	RoHS compliant Unit: mm	Scale	Free	⑥ Update the conductor resistance description	15.12.2022	Segal	Date	Name	Description: 0.5mm pitch FFC cable	
		TOLERANCE		⑤ Update the packing quantity	11.12.2019	Segal				Drawn
		XX	±5	④ Add WSW UL No.	14.05.2019	Amy	Approved	15.12.2022		Segal
		X	±1	③ Add package qty and revise tolerance	23.10.2018	Amy				ASSMANN WSW-No. AFFC-050-xx-xxx-11
		X.X	±0.2	② Add specification	10.11.2016	Amy				Drawing-No. ASS 7540 CA
		DIM	TOL	① Update the conductor poles	22.09.2016	Amy				rev06
H		Angle	TOL	Id.	Modification	Date	Name	Customer-No.	Sheet 1/1	

