

Constructions

Item	Detail	
Symbol name	SML2SC	
Conductor	Tinned copper (Thickness of tin plating : Min.1 μ m)	
Insulation	Insulation layer	Polyester
	Adhesive layer	Flame-retardant polyester
	Color	White
Supporting tape	Material	Polyester
	Color	Blue
Shield tape	Material	PET (Outer) + Metallic layer + Copper coated with Silver (Inner)
Reinforcing tape	Material	Polyimide (outside) +Adhesive (inside)

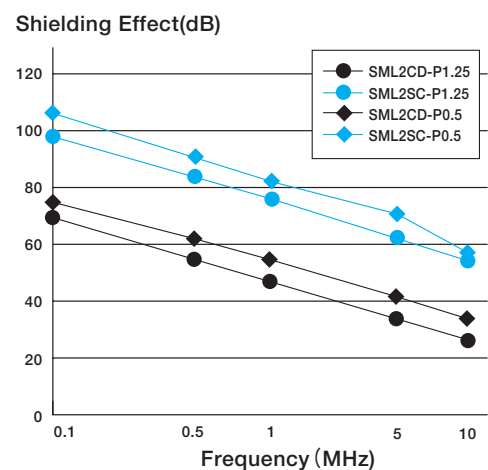
Properties (Example)

Item	Detail	
Conductor nominal dimension	0.035×0.3mm	
Pitch	0.5mm	
Flame test	VW-1 Pass	
Conductor resistance	Max. 2,200 Ω/km	
Insulation resistance	Min. 1,000MΩ·m	
Dielectric strength	Between adjacent conductors	AC500V-1min No Dielectric Breakdown
	Conductors / Shield	AC250V-1min No Dielectric Breakdown
Capacitance	624 pF/m (ref.)	
Flexing test	Sliding test	15mmR Min. 1,500 cycles
	180° Folding test	Min. 30 cycles
Abrasion test (φ 0.5mm, 600g)	Min. 200 cycles	

Shielding Effect

	0.1MHz	0.5MHz	1MHz	5MHz	10MHz
SML2CD-P1.25	69.4	55.2	48.7	34.4	28.2
SML2SC-P1.25	96.5	82.2	76.4	61.4	55.6
SML2CD-P0.5	75.2	60.8	55.7	40.6	34.9
SML2SC-P0.5	104.2	90.3	81.7	70.4	56.5

(dB)



※ This product is not suitable for automobile application in some cases. Please contact our sales office before you use this product.

※ This specification is subject to change without a prior announcement.

UL Style No. and Products

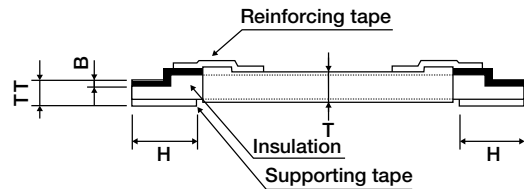
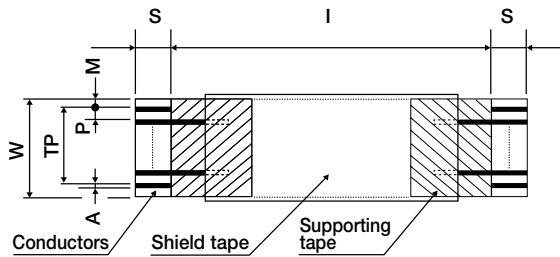
Symbol name	UL style No.	UL rating	Conductor Thickness (B) (mm)	Cable Thickness (T) (mm)
SML2SC	2896	80°C, 30 V	0.035	0.26
	2896 Thin type	80°C, 30 V		0.20
	20861	105°C, 60 V		0.24
	21147 Halogen Free	80°C, 60 V		0.22

Nominal Dimension

Unit : mm

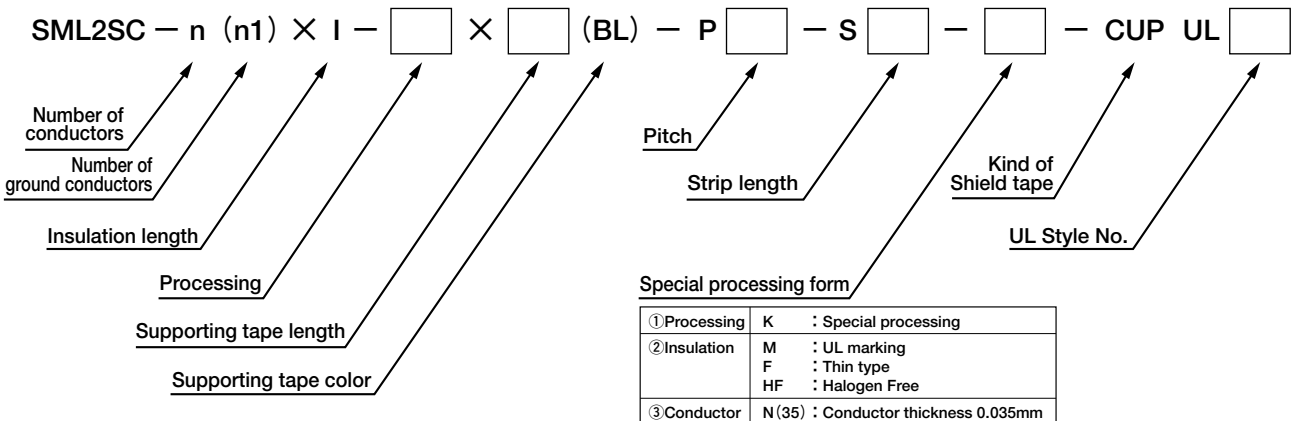
Item	Dimension		
Pitch (P)	1.25	1.0	0.5
Conductor width (A)	0.80	0.70	0.30
Margin width (M)	0.85	0.65	0.35
Total pitch (TP)	P×(n-1)		
Cable width (W)	P×(n+1)		
Insulation length (I)	Min. 20		
Terminal thickness (TT)	0.30		
Strip length (S)	4, 5, 6	3, 4	
Supporting tape length (H)	Strip length + Max. 2mm		

n=number of conductors



※Because there is limitation on specifications, please talk about a combination of strip length and supporting tape length with our sales office.

Nomenclature



Processing Form



Supporting tapes at both ends are on the same side



Supporting tapes at both ends are on the opposite side

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