

Constructions

Item		Detail
Symbol name		SML2CD
Conductor	Material	Annealed copper
	Plating (Whole)	Nickle (Thickness : Min. 0.3 μ m)
	Plating (Terminal)	Au (Thickness : Min. 0.05 μ m)
Insulation	Insulation layer	Polyester
	Adhesive layer	Flame-retardant polyester
	Color	White
Supporting tape	Material	Polyester
	Color	Blue

Properties

		Detail	
Conductor nominal dimension		0.035×0.3mm	0.05×0.7mm
Pitch		0.5mm	1.0mm
Flame test		VW-1 Pass	
Conductor resistance		Max. 2,200 Ω/km	Max. 600 Ω/km
Insulation resistance		Min. 1,000M Ω ·m	
Dielectric strength(Between adjacent conductors)		AC500V-1min No Dielectric Breakdown	
Flexing test	Sliding test	5mmR Min. 10,000 cycles	10mmR Min. 10,000 cycles
	180° Folding test	Min. 30 cycles	Min. 100 cycles
Abrasion test (φ 0.5mm, 600g)		Min. 10,000 cycles	

UL Style No. and Products

Symbol name	UL style No.	UL rating	Conductor thickness (B) (mm)	Cable thickness (T) (mm)	Pitch (mm)	
					1.0	0.5
SML2CD	2896 Thin type	80°C, 30 V	0.035	0.11	×	○
	20861	105°C, 60 V	0.05	0.16	○	×
			0.035	0.14	△	○

○ : Sumitomo standard △ : Special specification × : Unavailable

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

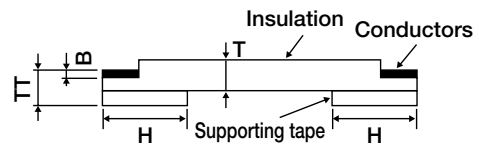
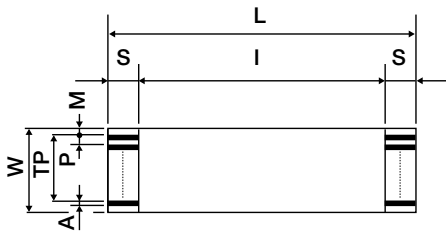
※This specification is subject to change without a prior announcement.

Nominal Dimension

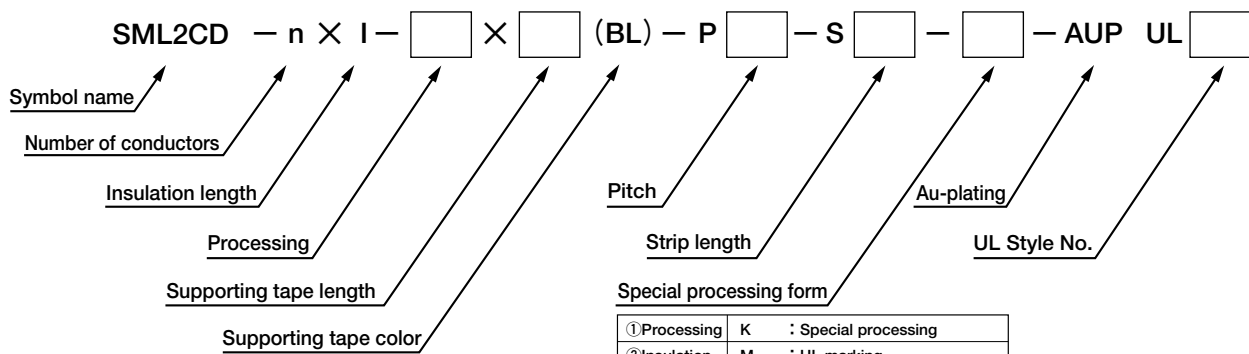
Unit : mm

Item	Dimension	
Pitch (P)	1.0	0.5
Conductor width (A)	0.70	0.30
Margin width (M)	0.65	0.35
Total pitch (TP)	$P \times (n-1)$	
Cable width (W)	$P \times (n+1)$	
Insulation length (I)	Min. 30	Min. 20
Cable length (L)	Max. 650mm	
Terminal thickness (TT)	0.30	
Strip length (S)	4, 5	3, 4, 5
Supporting tape length (H)	6, 8, 10	5, 6, 8

n=number of conductors

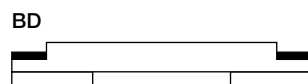


Nomenclature

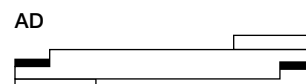


Special processing form	
① Processing	K : Special processing
② Insulation	M : UL marking
	F : Thin type
③ Conductor	N : Conductor thickness 0.05mm
	N(35) : Conductor thickness 0.035mm

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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