

Constructions

Item	Detail			
Symbol name	SMCD	SML2CD	SML2XCD	
Conductor	Standard	Tinned copper (Thickness of tin plating : Min.1 μ m)		
	SNT2	Anti-Whisker tinned copper (Thickness of tin plating : 0.4+0.2/-0.1 μ m, pure tin plating : 0.1±0.1 μ m)		
Insulation	Insulation layer	Polyester		
	Adhesive layer	Flame-retardant PVC	Flame-retardant polyester	Irradiated flame-retardant polyolefin
	Color	White		
Supporting tape	Material	Polyester		
	Color	Blue		

Properties (Example)

Symbol name	SMCD	SML2CD	SML2XCD	
Conductor	Nominal dimension	0.1×0.8mm	0.035×0.8mm	0.035×0.8mm
	Pitch	1.25mm	1.25mm	1.25mm
Flame Test		VW-1 Pass		
Conductor resistance		Max. 260 Ω/km	Max. 750 Ω/km	Max. 750 Ω/km
Insulation resistance		Min. 1,000M Ω·m		
Dielectric strength (Between adjacent conductors)		AC500V-1min No Dielectric Breakdown	AC500V-1min No Dielectric Breakdown	AC2,500V-1min No Dielectric Breakdown
Flexing test	Sliding test	15mmR Min. 100,000 cycles	15mmR Min. 15 million cycles	5mmR Min. 500,000 cycles
	180° Folding test	Min. 20 cycles	Min. 100 cycles	Min. 50 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)			
					1.25	1.0	0.5	
SMCD	2896	80°C, 30 V	0.10	0.30	○	○	×	
			0.05	0.25	○	○	×	
	2896 Thin type	80°C, 30 V	0.05	0.17	○	○	×	
			20624	80°C, 60 V	0.10	0.30	○	○
SML2CD	2896	80°C, 30 V	0.05	0.20	○	○	△	
			0.035	0.18	○	○	△	
	2896 Thin type	80°C, 30 V	0.035	0.11	○	○	○	
			20624	80°C, 60 V	0.05	0.20	○	○
				0.035	0.18	○	○	○
				20861	105°C, 60 V	0.05	0.16	○
				0.035	0.14	○	○	○
				21147 Halogen Free	80°C, 60 V	0.05	0.14	○
				0.035	0.12	○	○	○
				SML2XCD	20783	105°C, 300 V	0.05	0.20
0.035	0.18	○	○				×	
20941	105°C, 90 V	0.05	0.18		△	△	○	
		0.035	0.16		△	△	○	

○ : 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.

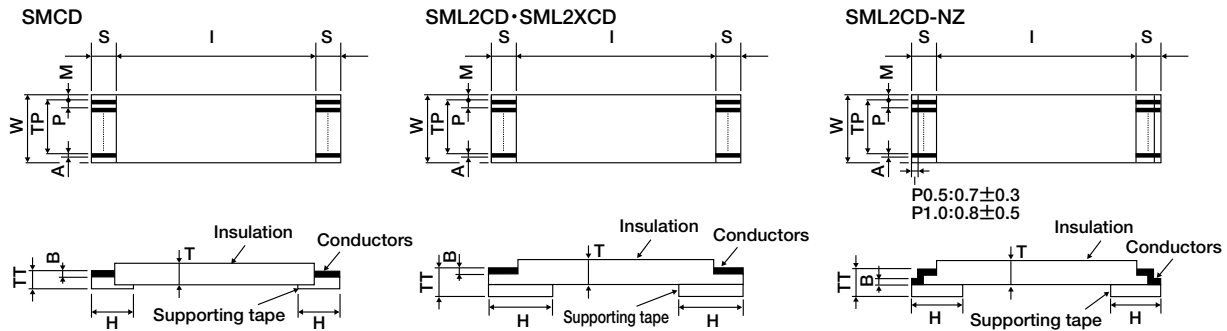
※This specification is subject to change without a prior announcement.

Nominal Dimension

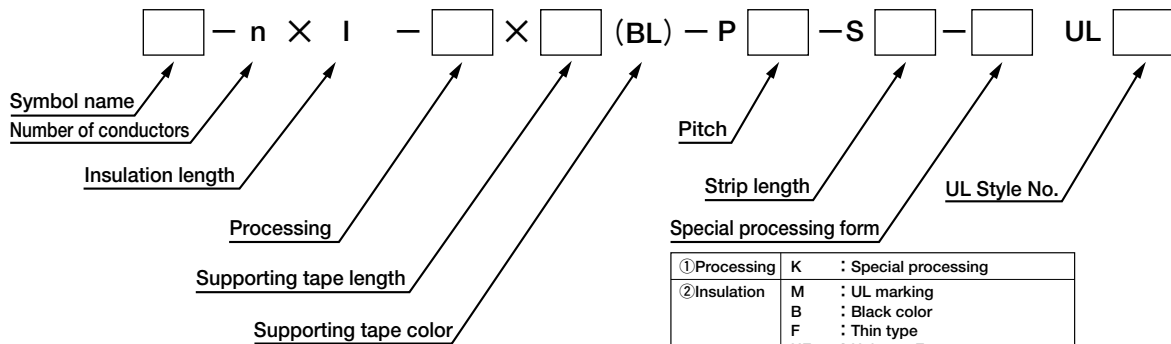
Unit : mm

Item	Dimension		
Pitch (P)	1.25	1.0	0.5
Conductor width (A)	0.80	0.70	0.60
Margin width (M)	0.85	0.65	0.70
Total pitch (TP)	P×(n-1)		
Cable width (W)	P×(n+1)		
Insulation length (I)	Min. 20 (P1.25, P1.0 AD type : Min. 30)		
Terminal thickness (TT)	0.30		
Strip length (S)	4, 5, 6		
Supporting tape length (H)	6, 8, 10, 15, 20		

n=number of conductors



NomenClature



①Processing	K	: Special processing
②Insulation	M	: UL marking
	B	: Black color
	F	: Thin type
	HF	: Halogen Free
③Conductor	T	: Conductor width 0.8mm
	T(0.6)	: Conductor width 0.6mm
	N	: Conductor thickness 0.05mm
	N(35)	: Conductor thickness 0.035mm
	SNT2	: Anti-Whisker
④Other	NZ	: NON-ZIF connector type

Processing Form

	BD Supporting tapes at both ends are on the same side	AD Supporting tapes at both ends are on the opposite side	ES Supporting tapes at one end, and the other end is stripped for soldering(including semi-strip type)
SMCD			
SML2CD SML2XCD			
SML2CD-NZ			

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