

FLAT CABLE

UL2678 Flat Cable Series

KLS17-0635-FC Series

Product Description

UL STYLE: 2678
 Rate temperature : 105°C
 Rate voltage : 150V
 Passes UL VW-1 & CSA Standard : C22.2 No. 210.2
 Flame test : FT1,FT2
 Solid or stranded ,tinned or bare copper conductor 30AWG
 PVC insulation , comply with ROHS environmental standard
 Uniform insulation thickness to ensure easy stripping and cutting
 For general purpose internal wiring of appliance

CONDUCTOR : Solid

AWG size : 30AWG
 Number of strands in each conductor : 7/0.102mm.
 Lay of strands in each conductor : 0.5 inch at least
 Cross section area : 98mil.

INSULATION :

Material of insulation : polyvinyl chloride(PVC)gray
 Insulation thickness average : 7mil.
 Minimum insulation thickness : 6mil.

PHYSICAL PROPERTIES : After 7 days air oven at 136°C

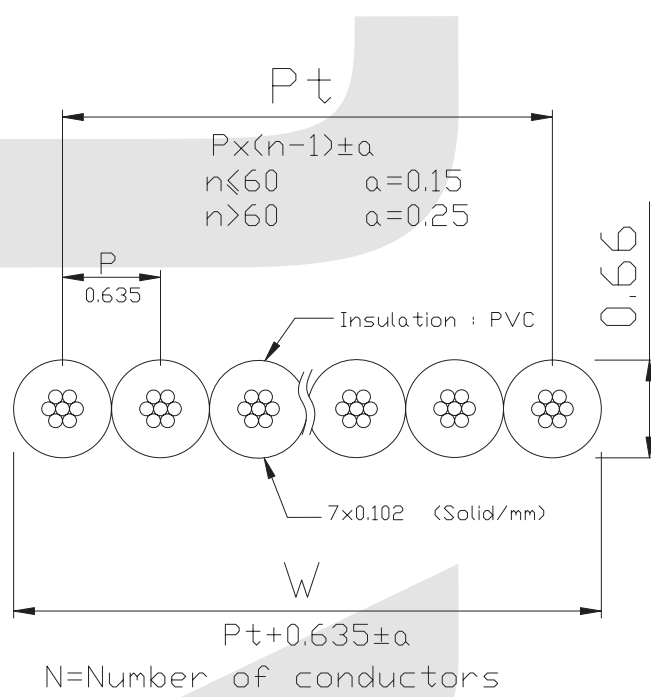
Average tensile strength : 1500 lbs/
 Percent of original : 70% at least
 Average elongation : 200%
 Percent of original : 65% at least

ELECTRONIC CHARACTERISTICS :

Spark test : 2500V
 Dielectric strength test : Minimum 2 KV in 1 minute
 Conductor resistance : Maximum 377Ω /km
 Insulation resistance : Minimum 1GΩ-km
 Capacity : 75pF/m(G-S-G) 49pF/m(G-S)
 Inductance : 1.45μH/m
 Characteristic Impedance : 72Ω(G-S-G) 113Ω(G-S)
 Propagation delay time : 5.4ns/m



XVII



ORDER INFORMATION

Product NO.: **KLS17-0635-FC-XX-5**

Part Number	Pitch	Pin Number	Long / Reel
0635	Pitch 0.635mm	XX:68~100Pin	5-200M/Reel

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XVII

Code No.	Number of Cores	Size of conductor		Thic kness (mm 0.05)	Width (mm)	PT (mm)	Allowable error (mm)	
		AWG	Composition (solid/mm)					
			Stranded Conductor					Solid Conductor
FC-68	68	30	7/0.102	0.254	0.66	43.18 (1.7 0.01)	42.545 (1.675 0.01)	0.25
FC-80	80	30	7/0.102	0.254	0.66	50.80 (2.0 0.01)	50.165 (1.975 0.01)	0.25
FC-100	100	30	7/0.102	0.254	0.66	63.50 (2.5 0.01)	62.865 (2.475 0.01)	0.25

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0635	Pitch 0.635mm	XX:68~100Pin	5-200M/Reel