

FLAT CABLE

KLSelectronic
 www.cnkls.com

UL2651 Flat Cable Series

KLS17-100-FC Series

Product Description

UL STYLE: 2651
 Rate temperature : 105°C
 Rate voltage : 300V
 Passes UL VW-1 & CSA Standard : C22.2 No. 210.2
 Flame test : FT1,FT2
 Solid or stranded ,tinned or bare copper conductor 26~24AWG
 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 : 28AWG
 Number of strands in each conductor : 7/0.127mm.
 Lay of strands in each conductor : 0.5 inch at least
 Cross section area : 156mil.

INSULATION :

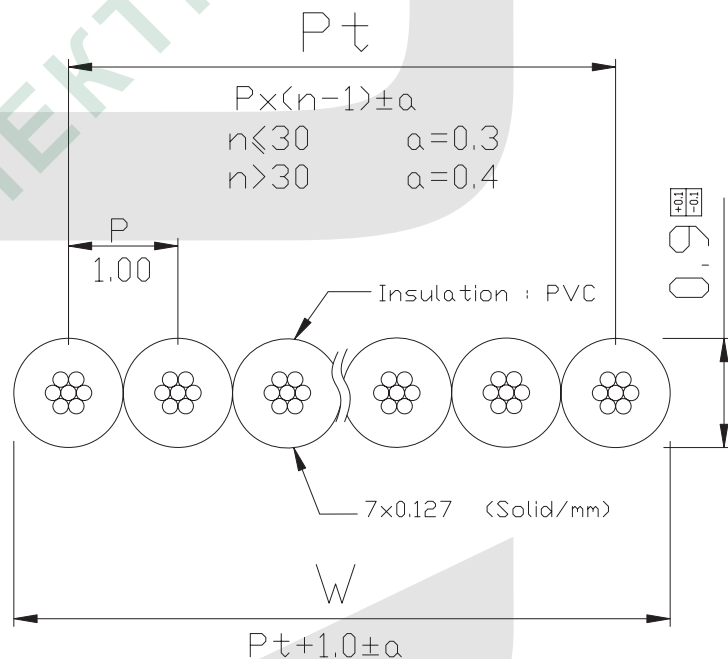
Material of insulation : polyvinyl chloride(PVC)gray
 Insulation thickness average : 9mil.
 Minimum insulation thickness : 7mil.

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 237Ω /km
 Insulation resistance : Minimum 100 MΩ-km
 Capacity : 56pF/m (G-S-G)
 Inductance : 1.45μH/m
 Characteristic Impedance : 90Ω (G-S-G)
 Propagation delay time : 4.65ns/m



ORDER INFORMATION

Product NO.: KLS17-100-FC-XX-1

Part Number	Pitch	Pin Number	Long / Reel
	100:Pitch1.0mm	XX:08~44Pin	1-30.5M/Reel
			2-76.5M/Reel
			3-153M/Reel
			4-306M/Reel

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Code No.	Number of Cores	Size of conductor		Thic kness (mm 0.05)	Width (mm)	Allowable error (mm)
		AWG	Composition (solid/mm)			
FC-10	10	28	7/0.127	0.9	10	0.20
FC-12	12	28	7/0.127	0.9	12	0.20
FC-14	14	28	7/0.127	0.9	14	0.20
FC-15	15	28	7/0.127	0.9	15	0.20
FC-16	16	28	7/0.127	0.9	16	0.20
FC-20	20	28	7/0.127	0.9	20	0.30
FC-25	25	28	7/0.127	0.9	25	0.30
FC-26	26	28	7/0.127	0.9	26	0.30
FC-34	34	28	7/0.127	0.9	34	0.40
FC-40	40	28	7/0.127	0.9	40	0.40
FC-44	44	28	7/0.127	0.9	44	0.40

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All specification & dimensions are subject to change, please call your nearest KLS sales representative for update information