

FLAT CABLE

UL2651 Flat Cable Series

KLS17-127-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 28AWG
 PVC insulation , comply with ROHS environmental standard
 Uniform insulation thickness to ensure easy stripping and cutting
 For general purpose internal wiring of appliance

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

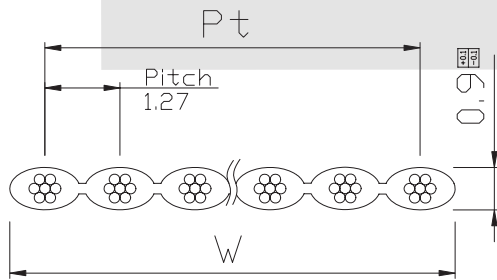
Average tensile strength : 1500 lbs/
 Percent of original : 70% at least
 Average elongation : 200%
 Percent of original : 65% at least

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 : 44pF/m (G-S-G)
 Inductance : 1.45μH/m
 Characteristic Impedance : 105Ω (G-S-G)
 Propagation delay time : 4.2 ns/m



XVII



AWG size : 28 AWG
 Material of insulation : polyvinyl chloride(PVC) gray
 Insulation thickness average : 9mil.
 Minimum insulation thickness : 7mil

ORDER INFORMATION

Product NO.: KLS17-127-FC-XX - 1

Part Number	Pin Number	Long / Reel
	XX:09-64Pin	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-09	9	28	7/0.127	0.9	11.43	0.30
FC-10	10	28	7/0.127	0.9	12.7	0.30
FC-14	14	28	7/0.127	0.9	17.78	0.30
FC-15	15	28	7/0.127	0.9	19.05	0.30
FC-16	16	28	7/0.127	0.9	20.32	0.30
FC-20	20	28	7/0.127	0.9	25.4	0.30
FC-25	25	28	7/0.127	0.9	31.75	0.30
FC-26	26	28	7/0.127	0.9	33.02	0.30
FC-30	30	28	7/0.127	0.9	38.1	0.30
FC-34	34	28	7/0.127	0.9	43.18	0.40
FC-36	36	28	7/0.127	0.9	45.72	0.40
FC-40	40	28	7/0.127	0.9	50.8	0.40
FC-50	50	28	7/0.127	0.9	63.5	0.40
FC-60	60	28	7/0.127	0.9	76.2	0.40
FC-64	64	28	7/0.127	0.9	81.28	0.40

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