

# FLAT CABLE

## UL2651 Flat Cable Series

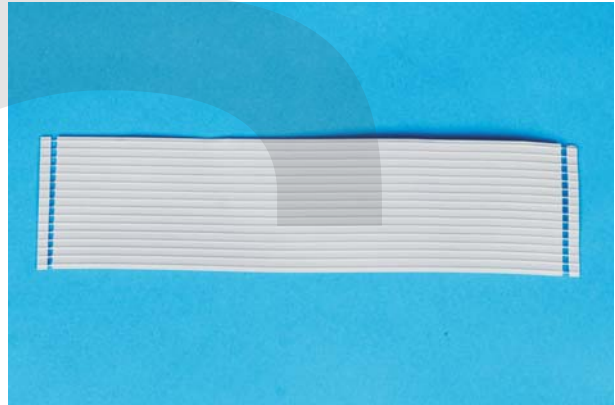
### KLS17-254-FC Series

#### 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 : 26AWG  
Number of strands in each conductor : 7/0.16mm.  
Lay of strands in each conductor : 0.6 inch at least  
Cross section area : 253mil.



#### 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 143Ω/km  
Insulation resistance : Minimum 100 MΩ-km  
Capacity : 24pF/m (G-S-G)  
Inductance : 1.4μH/m  
Characteristic Impedance : 145Ω (G-S-G)  
Propagation delay time : 3ns/m



## ORDER INFORMATION

Product NO.: KLS17-254-FC-XX - 6

Part Number

Pin Number  
XX:02~42Pin

Long / Reel  
6-305M/Reel

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XVII

Code No.	Number of Cores	Size of conductor		Thic kness (mm 0.05)	Width (mm)	Allowable error (mm)
		AWG	Composition (solid/mm)			
FC-2	2	26	7/0.16	1	5.08	0.30
FC-3	3	26	7/0.16	1	7.62	0.30
FC-4	4	26	7/0.16	1	10.16	0.30
FC-5	5	26	7/0.16	1	12.7	0.30
FC-6	6	26	7/0.16	1	15.24	0.3
FC-7	7	26	7/0.16	1	17.78	0.30
FC-8	8	26	7/0.16	1	20.32	0.30
FC-9	9	26	7/0.16	1	22.86	0.30
FC-10	10	26	7/0.16	1	25.4	0.30
FC-12	12	26	7/0.16	1	30.48	0.30
FC-13	13	26	7/0.16	1	33.02	0.30
FC-14	14	26	7/0.16	1	35.56	0.30
FC-15	15	26	7/0.16	1	38.1	0.30
FC-16	16	26	7/0.16	1	40.64	0.40
FC-18	18	26	7/0.16	1	45.72	0.40
FC-20	20	26	7/0.16	1	50.8	0.40
FC-22	22	26	7/0.16	1	55.88	0.40
FC-24	24	26	7/0.16	1	60.96	0.40
FC-30	30	26	7/0.16	1	76.2	0.50
FC-40	40	26	7/0.16	1	101.6	0.50
FC-42	42	26	7/0.16	1	106.68	0.50

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