

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 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

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

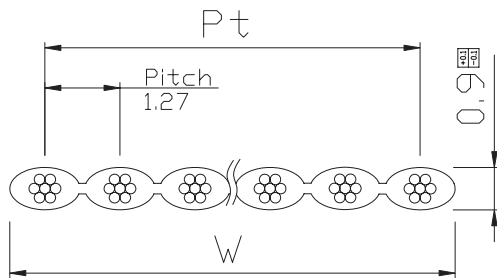
Average tensile strength : 1500 lbs/
Percent of original : 70% at least
Average elongation : 200%
Percent of original : 65% at least

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
XX:09-64Pin

Long / Reel
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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