

# Flat Cable

PUYER

## UL FLAT RIBBON WIRE

UL Style:2651

Rated temperature:105°C

Rated voltage:300Volts

Passess VW-1 vertical flame test

## CONDUCTOR

AWG size:28AWG

Nummber of strands in each conductor:

7/0.127MM Tinned copper

Lay of strands in each conductor:0.0046 inch at least minute

Cross section area:156 Circular mil

## INSULATION

Material of insulation: (PVC)Gray

Insulation thickness average: 0.23mm

Minimum insulation thickness: 0.18mm

## CABLE PHYSICAL PROPERTISE:

After seven days air oven at 136°C

Average tensile strength:1500 lbs/inch<sup>2</sup>

Percent of original:70% at least

Average elongation:200%

Percent of original:65% at least

## ELECTRONIC CHARACTERISTICS

Spark test:2500Volts

Dielectric strength test:Minimum2000Volts in 1

Conductor resistance:Maximum237 Ω /KM

Insulation resistance: Maximum100M Ω /KM

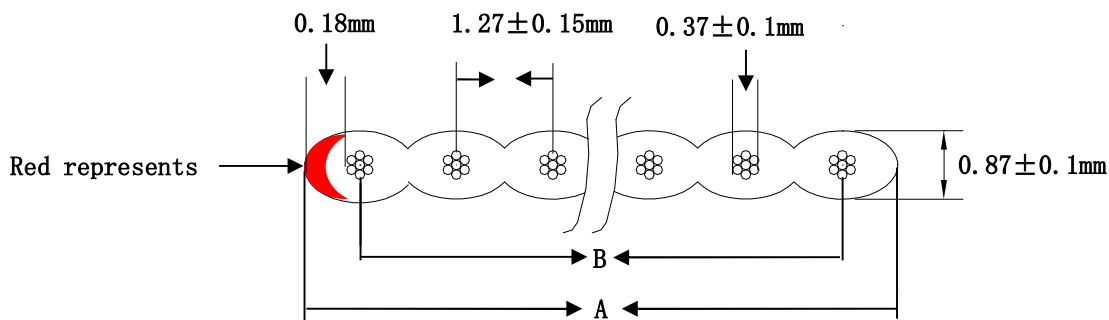
Capacity:40pF/M

Inductance:1.45μH/M

Impadance:100 Ω

Propagation delay time:4.2ns/m

## CONSTRUCTION DRAWING



## CONSTRUCTION TABLE

Coded No	Number Of Cores	Size of conductor		Thickness (mm±0.1)	Width dimension	
		(AWG)	Composition		A	B
F26512802C127TS-A	02	28	7/0.127 MM	0.87	2.54±0.15MM	1.27±0.10MM
F26512803C127TS-A	03	28	7/0.127MM	0.87	3.81±0.15MM	2.54±0.10MM
F26512804C127TS-A	04	28	7/0.127MM	0.87	5.08±0.15MM	3.81±0.10MM
F26512805C127TS-A	05	28	7/0.127MM	0.87	6.35±0.15MM	5.08±0.10MM
F26512806C127TS-A	06	28	7/0.127MM	0.87	7.62±0.18MM	6.35±0.13MM
F26512807C127TS-A	07	28	7/0.127MM	0.87	8.89±0.18MM	7.62±0.13MM
F26512808C127TS-A	08	28	7/0.127MM	0.87	10.16±0.18MM	8.89±0.13MM
F26512809C127TS-A	09	28	7/0.127MM	0.87	11.43±0.18MM	10.16±0.13MM
F26512810C127TS-A	10	28	7/0.127MM	0.87	12.70±0.20MM	11.43±0.15MM

F26512811C127TS-A	11	28	7/0.127MM	0.87	13.97±0.20MM	12.70±0.15MM
F26512812C127TS-A	12	28	7/0.127MM	0.87	15.24±0.20MM	13.97±0.15MM
F26512813C127TS-A	13	28	7/0.127MM	0.87	16.51±0.20MM	15.24±0.15MM
F26512814C127TS-A	14	28	7/0.127MM	0.87	17.78±0.20MM	16.51±0.15MM
F26512815C127TS-A	15	28	7/0.127MM	0.87	19.05±0.25MM	17.78±0.20MM
F26512816C127TS-A	16	28	7/0.127MM	0.87	20.32±0.25MM	19.05±0.20MM
F26512818C127TS-A	18	28	7/0.127MM	0.87	22.86±0.25MM	21.59±0.20MM
F26512820C127TS-A	20	28	7/0.127MM	0.87	25.40±0.25MM	24.13±0.20MM
F26512824C127TS-A	24	28	7/0.127MM	0.87	30.48±0.25MM	29.21±0.20MM
F26512825C127TS-A	25	28	7/0.127MM	0.87	31.75±0.25MM	30.48±0.20MM
F26512826C127TS-A	26	28	7/0.127MM	0.87	33.02±0.25MM	31.75±0.20MM
F26512830C127TS-A	30	28	7/0.127MM	0.87	38.10±0.30MM	36.83±0.25MM
F26512834C127TS-A	34	28	7/0.127MM	0.87	43.18±0.30MM	41.91±0.25MM
F26512837C127TS-A	37	28	7/0.127MM	0.87	46.99±0.32MM	45.72±0.27MM
F26512840C127TS-A	40	28	7/0.127MM	0.87	50.80±0.32MM	49.53±0.27MM
F26512850C127TS-A	50	28	7/0.127MM	0.87	63.50±0.35MM	62.23±0.30MM
F26512860C127TS-A	60	28	7/0.127MM	0.87	76.20±0.40MM	74.93±0.35MM
F26512864C127TS-A	64	28	7/0.127MM	0.87	81.28±0.40MM	80.01±0.35MM

MARKING:

PUYER  AWM 2651 28AWG E350147 105°C 300V VW-1 -LF-