

Flat Cable

UL FLAT RIBBON WIRE

UL Style:2651

Rated temperature:105°C

Rated voltage:300Volts

Passes VW-1 vertical flame test

CONDUCTOR

AWG size: 30AWG

Number of strands in each conductor:7/0.1

Lay of strands in each conductor:0.5 inch at least

Cross section area:156 Circular mil

INSULATION

Material of insulation:Polyvinyl chloride(PVC)Gray

Insulation thickness average:9mil

Minimum insulation thickness:7mil

CABLE PHYSICAL PROPERTISE:

After seven days air oven at 136°C

Average tensile strength:1500 Ibs/inch²

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 minute

Conductor resistance:Maximum237Ω/KM

Insulation resistance: Maximum100MΩ/KM

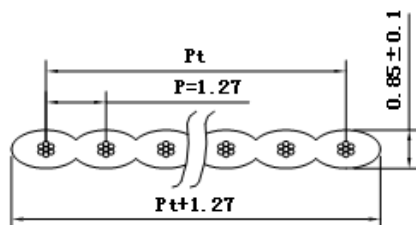
Capacity:40pF/M

Inductance:1.45μH/M

Impadance:100Ω

Propagation delay time:4.2ns/m

CONSTRUCTION DRAWING



CONSTRUCTION TABLE

Coded No	Number Of Cores	Size of conductor		Thickness (mm±0.1)	Width	Allowable Error(mm)
		(AWG)	Composition±0.005mm			
P30A-09	9	30	7/0.10MM	0.85	11.43MM	±0.20
P30A-10	10	30	7/0.10MM	0.85	12.70MM	±0.20
P30A-12	12	30	7/0.10MM	0.85	15.24MM	±0.20
P30A-14	14	30	7/0.10MM	0.85	17.78MM	±0.20
P30A-15	15	30	7/0.10MM	0.85	19.05MM	±0.20
P30A-16	16	30	7/0.10MM	0.85	20.32MM	±0.20
P30A-20	20	30	7/0.10MM	0.85	25.40MM	±0.20
P30A-24	24	30	7/0.10MM	0.85	30.48MM	±0.20
P30A-26	26	30	7/0.10MM	0.85	33.02MM	±0.20
P30A-34	34	30	7/0.10MM	0.85	43.18MM	±0.20
P30A-40	40	30	7/0.10MM	0.85	50.80MM	±0.20
P30A-50	50	30	7/0.10MM	0.85	63.50MM	±0.20
P30A-60	60	30	7/0.10MM	0.85	76.20MM	±0.20
P30A-64	64	30	7/0.10MM	0.85	81.28MM	±0.20

MARKING:

TOP ASIA AWM 2651 E169626 VW-1 105°C 300V 28AWG LF