

# Flat Cable

# PUYER

## UL FLAT RIBBON WIRE

UL Style:4478

Rated temperature:105°C

Rated voltage:300Volts

Passes 94-VO vertical flame test

## CABLE PHYSICAL PROPERTIES:

After seven days air oven at 136°C

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

Percent of original:70% at least

Average elongation:200%

Percent of original:65% at least

## CONDUCTOR

AWG size:28AWG

Number of strands in each conductor:7/0.12

Lay of strands in each conductor:0.0395 inch at least

Cross section area:156 Circular mil

## ELECTRONIC CHARACTERISTICS

Spark test:2500Volts

Dielectric strength test:Minimum2000Volts in 1 minute

Conductor resistance:Maximum237 Ω /KM

Insulation resistance: Maximum100M Ω /KM

Capacity:40pF/M

Inductance:1.45μH/M

Impedance:100 Ω

Propagation delay time:4.2ns/m

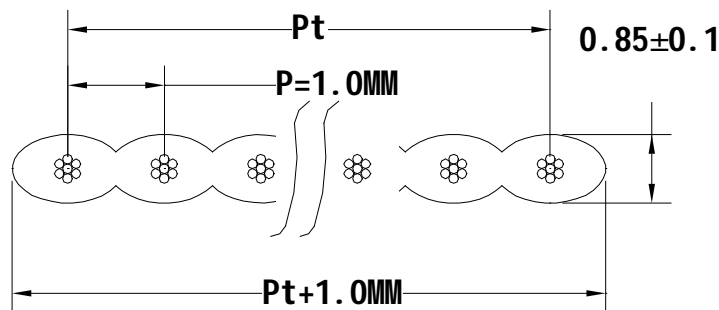
## INSULATION

Material of insulation: Halogen free TPE, Gray

Insulation thickness average:9.5mil

Minimum insulation thickness:8mil

## CONSTRUCTION DRAWING



## CONSTRUCTION TABLE

Coded No	Number Of Cores	Size of conductor		Thickness (mm±0.1)	Width	Allowable Error(mm)
		(AWG)	Composition±0.005mm			
P447828-0410TS	04	28	7/0.12MM	0.85	4MM	±0.20
P447828-0610TS	06	28	7/0.12MM	0.85	6MM	±0.20
P447828-0810TS	08	28	7/0.12MM	0.85	8MM	±0.20
P447828-0910TS	09	28	7/0.12MM	0.85	9MM	±0.20
P447828-1010TS	10	28	7/0.12MM	0.85	10MM	±0.20
P447828-1110TS	11	28	7/0.12MM	0.85	11MM	±0.20
P447828-1210TS	12	28	7/0.12MM	0.85	12MM	±0.20
P447828-1310TS	13	28	7/0.12MM	0.85	13MM	±0.20
P447828-1410TS	14	28	7/0.12MM	0.85	14MM	±0.20
P447828-1510TS	15	28	7/0.12MM	0.85	15MM	±0.20
P447828-1610TS	16	28	7/0.12MM	0.85	16MM	±0.20
P447828-1810TS	18	28	7/0.12MM	0.85	18MM	±0.20
P447828-2010TS	20	28	7/0.12MM	0.85	20MM	±0.20
P447828-2410TS	24	28	7/0.12MM	0.85	24MM	±0.20
P447828-2610TS	26	28	7/0.12MM	0.85	26MM	±0.20
P447828-3010TS	30	28	7/0.12MM	0.85	30MM	±0.20

P447828-3410TS	34	28	7/0.12MM	0.85	34MM	±0.20
P447828-4010TS	40	28	7/0.12MM	0.85	40MM	±0.20
P447828-4410TS	44	28	7/0.12MM	0.85	44MM	±0.20
P447828-5010TS	50	28	7/0.12MM	0.85	50MM	±0.20

MARKING:

兎 AWM 4478 28AWG VW-1 105°C 300V E350147 PUYER c兎 AWM I A FT1 105°C 300V

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