

Flat Cable

UL FLAT RIBBON WIRE

UL Style:4478

Rated temperature:105°C

voltage:300Volts

Passes FT2 parallel combustion test

CONDUCTOR

AWG size:28AWG

Number of strands in each conductor:

7/0.12mm Tinned copper

Stranded distance of each conductor:<13mm

Cross section area: 0.079mm²

ELECTRICAL CHARACTERISTICS

Spark test:2500Volts

Conductor resistance(25°C):Maximum237Ω/KM Rated

Insulation resistance(25°C): Maximum100MΩ/KM

INSULATION

Material of insulation:(XL-PE) Gray

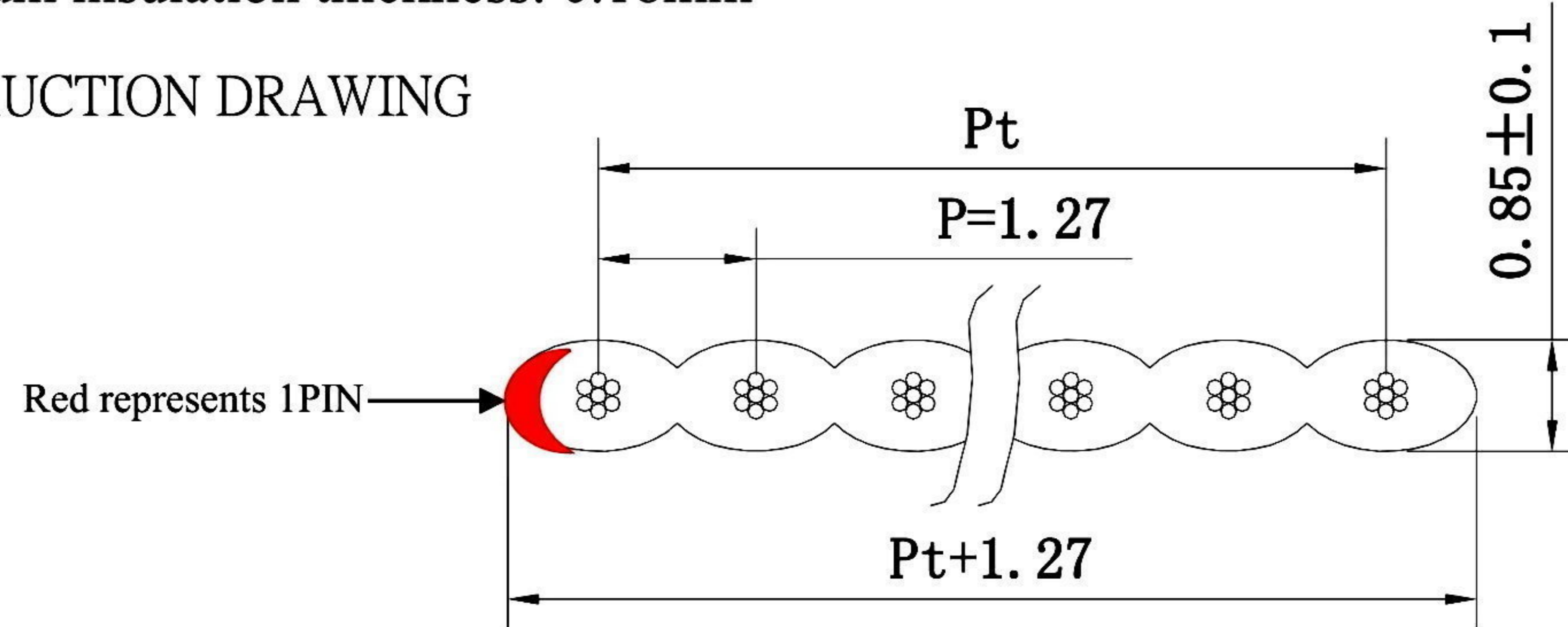
Insulation thickness average: 0.23mm

Minimum insulation thickness: 0.18mm

CONSTRUCTION TABLE

Number Of Cores	Size of conductor		Thickness (mm±0.1)	Width	Allowable Error(mm)
	(AWG)	Composition ±0.005mm			
02	28	7/0.12MM	0.85	2.54MM	±0.18
03	28	7/0.12MM	0.85	3.81MM	±0.18
04	28	7/0.12MM	0.85	5.08MM	±0.18
05	28	7/0.12MM	0.85	6.35MM	±0.18
06	28	7/0.12MM	0.85	7.62MM	±0.18
07	28	7/0.12MM	0.85	8.89MM	±0.18
08	28	7/0.12MM	0.85	10.16MM	±0.18
09	28	7/0.12MM	0.85	11.43MM	±0.18
10	28	7/0.12MM	0.85	12.70MM	±0.20
11	28	7/0.12MM	0.85	13.97MM	±0.20
12	28	7/0.12MM	0.85	15.24MM	±0.20
13	28	7/0.12MM	0.85	16.51MM	±0.20
14	28	7/0.12MM	0.85	17.78MM	±0.20
15	28	7/0.12MM	0.85	19.05MM	±0.25
16	28	7/0.12MM	0.85	20.32MM	±0.25
18	28	7/0.12MM	0.85	22.86MM	±0.25
20	28	7/0.12MM	0.85	25.40MM	±0.25
24	28	7/0.12MM	0.85	30.48MM	±0.25
25	28	7/0.12MM	0.85	31.75MM	±0.25
26	28	7/0.12MM	0.85	33.02MM	±0.30
30	28	7/0.12MM	0.85	38.10MM	±0.30
34	28	7/0.12MM	0.85	43.18MM	±0.30
37	28	7/0.12MM	0.85	46.99MM	±0.35
40	28	7/0.12MM	0.85	50.80MM	±0.35
50	28	7/0.12MM	0.85	63.50MM	±0.35
60	28	7/0.12MM	0.85	76.20MM	±0.45
64	28	7/0.12MM	0.85	81.28MM	±0.45

CONSTRUCTION DRAWING



MARKING: 兄 AWM 4478 28AWG 105°C 300V

兄 AWM FT2 105°C 300V -LF- -HF-

RoHS Compliant		HSM 玄茂科技股份有限公司 HSUAN MAO TECHNOLOGY CO., LTD.	
APPD. 核准 HELEN	SCALE 比例 參考	TOLERANCE 容許公差 .0 ± .00 ± ANG. ±	PART NAME 品名 XLPE FLAT CABLE 1.27MM UL4478 28AWG(7/0.12MM) STRANDED TINNED COPPER XXPIN WITH RED SIDE GRAY COLOR RoHS
DWG. 製圖 ABBY	UNIT 單位 MM	SIZE. 紙張尺寸 A4	PART NO. 料號 F0807-XXLAXXYGXR
DATE 制表日 2022/10/31	PAGE 張數 1 OF 1	REV. 版次 A	