

Flat Cable

PUYER

UL FLAT RIBBON WIRE

UL Style:4478

Rated temperature:105°C

Rated voltage:300Volts

Passess VW-1 vertical flame test

CABLE PHYSICAL PROPERTISE:

After seven days air oven at 136°C

Average tensile strength:1500 lbs/inch²

Percent of original:70% at least

Average elongation:200%

Percent of original:65% at least

CONDUCTOR

AWG size:28AWG

Nummber of strands in each conductor:7/0.12

Lay of strands in each conductor:0.5 inch at least

Cross section area:156 Circular mil

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

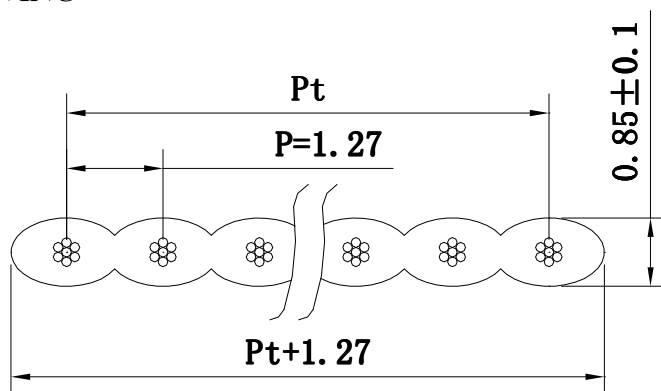
INSULATION

Material of insulation: (TPE)Gray

Insulation thickness average:9.5mil

Minimum insulation thickness:8.5mil

CONSTRUCTION DRAWING



CONSTRUCTION TABLE

| Coded No | Number Of Cores | Size of conductor | | Thickness (mm±0.1) | Width | Allowable Error(mm) |
|-----------------|-----------------|-------------------|----------------------|--------------------|---------|---------------------|
| | | (AWG) | Composition± 0.005mm | | | |
| F44782802C127TS | 02 | 28 | 7/0.12MM | 0.85 | 2.54MM | ±0.20 |
| F44782803C127TS | 03 | 28 | 7/0.12MM | 0.85 | 3.81MM | ±0.20 |
| F44782804C127TS | 04 | 28 | 7/0.12MM | 0.85 | 5.08MM | ±0.20 |
| F44782805C127TS | 05 | 28 | 7/0.12MM | 0.85 | 6.35MM | ±0.20 |
| F44782806C127TS | 06 | 28 | 7/0.12MM | 0.85 | 7.62MM | ±0.20 |
| F44782807C127TS | 07 | 28 | 7/0.12MM | 0.85 | 8.89MM | ±0.20 |
| F44782808C127TS | 08 | 28 | 7/0.12MM | 0.85 | 10.16MM | ±0.20 |
| F44782809C127TS | 09 | 28 | 7/0.12MM | 0.85 | 11.43MM | ±0.20 |
| F44782810C127TS | 10 | 28 | 7/0.12MM | 0.85 | 12.70MM | ±0.20 |
| F44782811C127TS | 11 | 28 | 7/0.12MM | 0.85 | 13.97MM | ±0.20 |
| F44782812C127TS | 12 | 28 | 7/0.12MM | 0.85 | 15.24MM | ±0.20 |
| F44782813C127TS | 13 | 28 | 7/0.12MM | 0.85 | 16.51MM | ±0.20 |
| F44782814C127TS | 14 | 28 | 7/0.12MM | 0.85 | 17.78MM | ±0.20 |
| F44782815C127TS | 15 | 28 | 7/0.12MM | 0.85 | 19.05MM | ±0.20 |
| F44782816C127TS | 16 | 28 | 7/0.12MM | 0.85 | 20.32MM | ±0.20 |

| | | | | | | |
|-----------------|----|----|----------|------|---------|-------|
| F44782818C127TS | 18 | 28 | 7/0.12MM | 0.85 | 22.86MM | ±0.20 |
| F44782820C127TS | 20 | 28 | 7/0.12MM | 0.85 | 25.40MM | ±0.20 |
| F44782824C127TS | 24 | 28 | 7/0.12MM | 0.85 | 30.48MM | ±0.20 |
| F44782825C127TS | 25 | 28 | 7/0.12MM | 0.85 | 31.75MM | ±0.20 |
| F44782826C127TS | 26 | 28 | 7/0.12MM | 0.85 | 33.02MM | ±0.20 |
| F44782830C127TS | 30 | 28 | 7/0.12MM | 0.85 | 38.10MM | ±0.20 |
| F44782834C127TS | 34 | 28 | 7/0.12MM | 0.85 | 43.18MM | ±0.20 |
| F44782837C127TS | 37 | 28 | 7/0.12MM | 0.85 | 46.99MM | ±0.20 |
| F44782840C127TS | 40 | 28 | 7/0.12MM | 0.85 | 50.80MM | ±0.20 |
| F44782850C127TS | 50 | 28 | 7/0.12MM | 0.85 | 63.50MM | ±0.20 |
| F44782860C127TS | 60 | 28 | 7/0.12MM | 0.85 | 76.20MM | ±0.20 |
| F44782864C127TS | 64 | 28 | 7/0.12MM | 0.85 | 81.28MM | ±0.20 |

MARKING:

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

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