



SPECIFICATION

STYLE 80°C 300V Flat Ribbon-Type Cable
UL 2468 (24 AWG x 2C)
APPROVAL MARK UL CUL -F-
FILE No. E150612
P/N F68242AS1X
DATE 26/07/2017
EDITION 1.0

CUSTOMER APPROVE

DATE

| APPROVED | QA REVIEWED | R&D REVIEWED | PREPARED |
|------------------|----------------|----------------|------------------|
| <i>Sukhongfa</i> | <i>Johnson</i> | <i>Nitsasi</i> | <i>Sittichok</i> |



1. SCOPE

This specification base on UL(UL758) and CSA(C22.2 210.2) standard.
Flat ribbon-type cable for internal wiring of electronic and electrical equipment.
All the parts, materials and products conform to RoHS and REACH regulation.

80°C 300V
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2.CONSTRUCTION

| PART No. | | — | F68242AS11 | F68242AS12 | F68242AS13 | F68242AS14 |
|------------|-----------------|--------|------------------------------|------------|------------|------------|
| CONDUCTOR | SIZE | — | 24 AWG x 2C | | | |
| | MATERIAL | — | ACU ANNEALED STRANDED COPPER | | | |
| | CONDUCTOR | No./MM | 11/0.160±0.008 | | | |
| INSULATION | THICKNESS (nom) | MM | 0.38 | | | |
| | THICKNESS (min) | MM | 0.33 | | | |
| | DIAMETER | MM | 1.50±0.08 x 3.00±0.08 | | | |
| | MATERIAL | — | LEAD FREE PVC | | | |
| | COLOR | — | BLACK OR OTHER COLOR | | | |



3. CHARACTERISTICS

| | | | |
|---|--------|---------------------------------|--|
| ITEM | | 24 AWG x 2C | |
| RATING TEMP & VOLTAGE | | 80°C 300V | |
| CONDUCTOR RESISTANCE (OHM/KM/20°C MAX.) | | 87.5 | |
| INSULATION RESISTANCE (IN WATER) | | 0.75 MEGA OHM/KM/20°C (MINIMUM) | |
| DIELECTRIC STRENGTH | | AC 2 KV/MINUTE (NO BROKEN) | |
| SPARK TEST | | 4 KV | |
| INSULATION | UNAGED | TENSILE STRENGTH | 1,500 PSI (1.05 Kg/mm ²) (MINIMUM) |
| | | ELONGATION | 100 % (MINIMUM) |
| | AGED | TENSILE STRENGTH | UNAGED MIN. 70% (113±1°C x 168 HRS) |
| | | ELONGATION | UNAGED MIN. 65% (113±1°C x 168 HRS) |
| DEFORMATION TEST | | 50% (MAXIMUM) (121±1°C x 1 HR) | |
| HEAT SHOCK TEST | | 121±1°C x 1 HR (NO CRACK) | |
| COLD BEND TEST | | -10±2°C x 4 HRS (NO CRACK) | |
| FLAME TEST | | VW-1 (PASS) | |

4. MARKING

AWM 2468 24AWG VW-1 80°C 300V E150612 THAI WONDERFUL AWM T1 | A FT1 80°C 300V 24AWG -F- (LF)

5. CROSS-SECTION OF CABLE

F68242AS11



ONE COLOR

F68242AS12



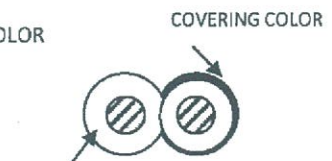
ONE COLOR WITH STRIPE COLOR

F68242AS13



ONE COLOR WITH 2 STRIPE COLOR

F68242AS14



ONE COLOR WITH COVERING COLOR

