

DYDEN CORPORATION

ELECTRIC WIRES
& CABLES PRODUCTS

DATE Oct, 22, 2015

SPEC. No.FSC15-509

SPECIFICATION

FOR

ETHYLENE TETRAFLUOROETHYLENE (ETFE) INSULATED
AND PVC JACKETED CABLE WITH SHIELD

(RMFES - SB - Kr (2586))

RoHS correspondence



signed by *K. Nishimura*
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1. SCOPE

This specification covers the construction, characteristics of the Ethylene Tetrafluoroethylene (ETFE) insulated and PVC jacketed cable with shield .

2. SYMBOL, SIZE

The symbol and size of the cable shall be

“ RMFES-SB-Kr(2586) AWG19/4C ”
(0.75mm²/4C)

3. UL STANDARD

RECONGNIZED by UNDERWIRITERS LABORATORIES Inc.

| | |
|--------------|--|
| STYLE No. | 2586 (UL 758 : AWM) |
| Rating TEMP. | 105°C |
| VOLT. | 600 V |
| USE | External interconnection or internal wiring. |

4. FLAME TESTING

The cable shall pass the vertical wire flame test (VW-1) described in UL1581, Paragraph 1080.

5. CONSTRUCTION

The construction of the cable shall conform to Table 1.

6. CHARACTERISTICS

The characteristics of the cable shall be shown in Table 2.

7. MARKING

The following information shall be indicated with a suitable method to the cable.

“ —DYDEN E91337  AWM 2586 105C 600V VW-1 -LF- RMFES-SB-Kr AWG19/4C — ”

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Table 1 Construction

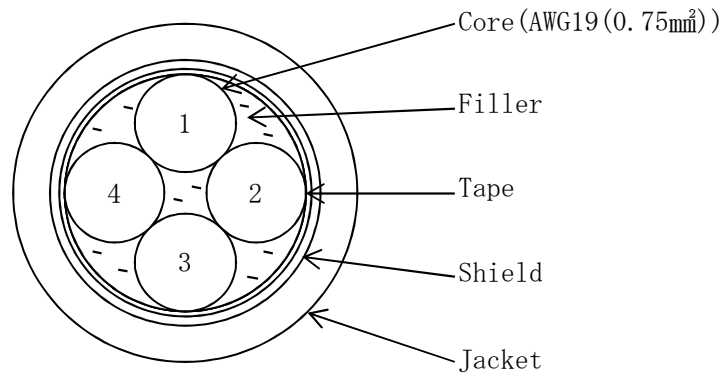
| I T E M | | V A L U E |
|-----------------------------|-----------------------|--------------------------------------|
| Symbol | | RMFES-SB-Kr(2586) |
| Size | AWG(mm ²) | 19 (0.75) |
| Conductor | Material | Tinned Annealed Copper |
| | Construction(No./mm) | 7/20/0.08 |
| | Dia.(approx.mm) | 1.24 |
| Insulation | Material | ETFE |
| | Thickness(approx.mm) | 0.25 |
| | Dia.(approx.mm) | 1.74 |
| Stranding | Center layer | 4 C |
| Tape | — | Binder tape |
| Shield (Braid) | Material | Tinned Annealed Copper |
| | Thickness(approx.mm) | 0.3 |
| Jacket | Material(color) | Flame retardant • Smooth PVC (Black) |
| | Thickness(approx.mm) | 1.0 |
| Overall diameter(approx.mm) | | 7.1 |
| Approx. mass(kg/km) | | 80 |

Table 2 Characteristics (at 20°C)

| I T E M | S T A N D A R D V A L U E |
|---|---------------------------|
| Max.DC resistance of conductor(Ω /km) | 30.7 |
| Min.insulation resistance ($M\Omega$ -km) | 100 |
| Dielectric strength (V/min) | AC 2000 |

F i g 1

C r o s s - S e c t i o n o f C a b l e



| CoreNo. | Colors |
|---------|--------|
| 1 | Black |
| 2 | White |
| 3 | Red |
| 4 | Green |

NOT TO SCALE