

DYDEN CORPORATION

ELECTRIC WIRES
& CABLES PRODUCTS

DATE Feb, 24, 2015

SPEC. No.FSC14-576A

SPECIFICATION

FOR

CROSS-LINKED POLYETHYLENE (XLPE) INSULATED
AND PVC JACKETED CABLE WITH SHIELD

(RMCV-SB-Kr (2464))

RoHS correspondence



signed by *K. Nishimura*
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1. SCOPE

This specification covers the construction, characteristics of the Cross-Linked Polyethylene(XLPE) insulated and PVC jacketed cable with shield .

2. SYMBOL, SIZE

The symbol and size of the cable shall be

” RMCV-SB-Kr(2464) AWG19/4C ”
(0.75mm²/4C)

3. UL STANDARD

RECONGNIZED by UNDERWIRITERS LABORATORIES Inc.

| | |
|--------------|---|
| STYLE No. | 2464 (UL 758 : AWM) |
| Rating TEMP. | 80°C |
| VOLT. | 300V |
| USE | Internal wiring or external interconnection of electronic equipment |

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 2464 80C 300V VW-1 -LF- RMCV-SB-Kr AWG19/4C — ”

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Table 1 Construction

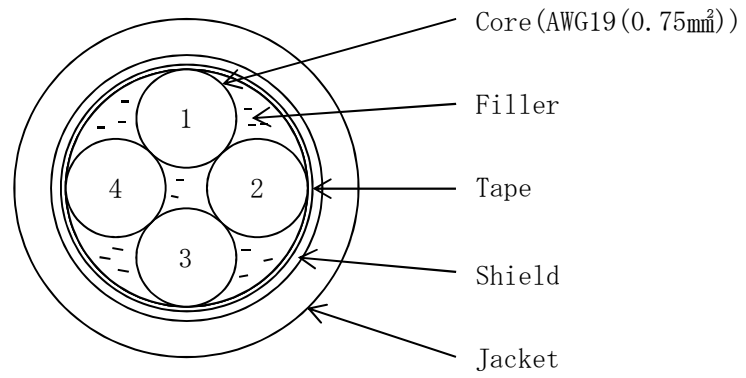
| I T E M | | V A L U E |
|-----------------------|------------------------|---|
| Symbol | | RMCV-SB-Kr (2464) |
| Size | AWG (mm ²) | 19 (0.75) |
| Conductor | Material | Annealed Copper |
| | Construction (No./mm) | 7/20/0.08 |
| | Dia. (approx. mm) | 1.24 |
| Insulation | Material | XLPE |
| | Thickness (approx. mm) | 0.40 |
| | Dia. (approx. mm) | 2.04 |
| Stranding | Center layer | 4 C |
| Tape | — | Binder tape |
| Shield (Braid) | Material | Tinned Annealed Copper |
| | Thickness (approx. mm) | 0.3 |
| Jacket | Material (color) | Flame retardant • Oil resistant PVC (Black) |
| | Thickness (approx. mm) | 0.85 |
| Overall diameter (mm) | | 7.3 (±0.3) |
| Approx. mass (kg/km) | | 85 |

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) | 29.1 |
| 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



| Core | Colors |
|------|--------|
| 1 | Black |
| 2 | White |
| 3 | Red |
| 4 | Green |

NOT TO SCALE

Revision process

| Revised Date | Rivised Items |
|-------------------------|--|
| 2014, 7,15 | The first edition |
| 2015, 2,24 Edition A | Change of jacket thickness : approx. 1.0mm → approx. 0.85mm Change of overall diameter : approx. 7.6mm → 7.3(±0.3)mm Change of approx.mass : 90kg/km → 85kg/km |