

DYDEN CORPORATION

ELECTRIC WIRES
& CABLES PRODUCTS

DATE Mar, 9, 2016

SPEC. No.FSC16-127

SPECIFICATION

FOR

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

(RMCV-SB-Kr (2464))

RoHS correspondence



signed by S. Maeda
S. MAEDA

Manager
Engineering section
Engineering dept
Factory Automation & Robot Cable Division

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) AWG25/12C ”
(0.2mm²/12C)

3. UL STANDARD

RECONGNIZED by UNDERWRITERS 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 AWG25/12C — ”

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Table 1 Construction

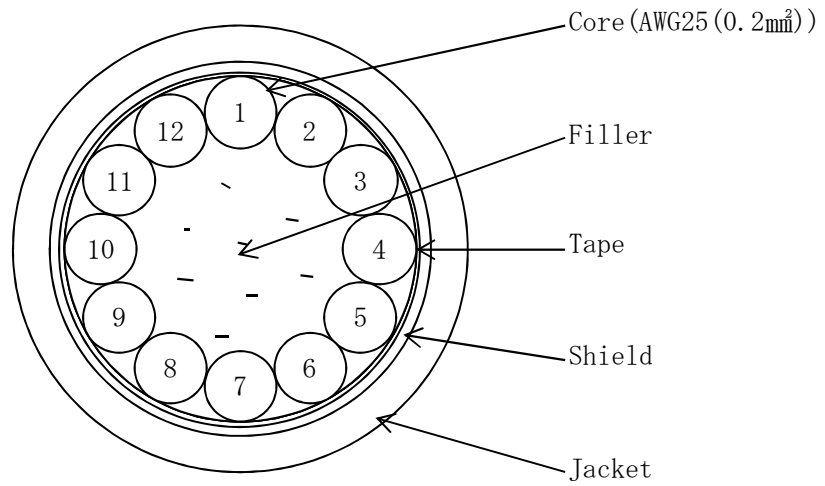
| I T E M | | V A L U E |
|-------------------------------|------------------------|---|
| Symbol | | RMCV-SB-Kr (2464) |
| Size | AWG (mm ²) | 25 (0.2) |
| Conductor | Material | Annealed Copper |
| | Construction (No./mm) | 40/0.08 |
| | Dia. (approx. mm) | 0.58 |
| Insulation | Material | XLPE |
| | Thickness (approx. mm) | 0.20 |
| | Dia. (approx. mm) | 0.98 |
| Stranding | Center layer | 12 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) | 1.0 |
| Overall diameter (approx. mm) | | 7.5 |
| 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) | 101.9 |
| 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 | CoreNo. | Colors |
|---------|--------|---------|------------|
| 1 | Black | 7 | Blue |
| 2 | White | 8 | Orange |
| 3 | Red | 9 | Gray |
| 4 | Green | 10 | Purple |
| 5 | Yellow | 11 | Light blue |
| 6 | Brown | 12 | Pink |

NOT TO SCALE