

DYDEN CORPORATION

ELECTRIC WIRES
& CABLES PRODUCTS

DATE May, 28, 2015

SPEC. No.FSC14-035A

SPECIFICATION

FOR

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

(RMCV-K r (21911))

RoHS correspondence



signed by *K. Nishimura*
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 .

2. SYMBOL, SIZE

The symbol and size of the cable shall be

“ RMCV-Kr(21911) AWG25/20C ”
(0.2mm²/20C)

3. UL STANDARD

RECONGNIZED by UNDERWIRITERS LABORATORIES Inc.

STYLE No.	21911 (UL 758 : AWM)
Rating TEMP.	80°C
VOLT.	300 V
USE	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 21911 80C 300V HF -LF- RMCV-Kr AWG25/20C — ”

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Table 1 Construction

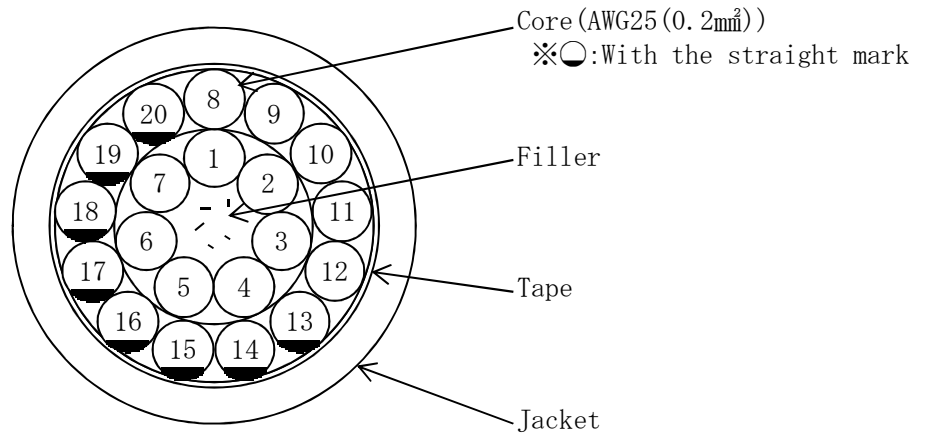
I T E M		V A L U E
Symbol		RMCV-Kr(21911)
Size	AWG(mm ²)	25 (0.2)
Conductor	Material	Annealed Copper
	Construction(No./mm)	40/0.08
	Dia. (approx. mm)	0.58
Insulation	Material	XLPE
	Thickness(approx. mm)	0.20
	Dia. (approx. mm)	0.98
Stranding	Center layer	7 C
	First layer	13 C
Tape	—	Binder tape
Jacket	Material(color)	Flame retardant • Oil resistant PVC (Black)
	Thickness(approx. mm)	1.0
Overall diameter(approx. mm)		7.3
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)	101.9
Min. insulation resistance (M Ω -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	11	Light blue
2	White	12	Pink
3	Red	13	White/Black
4	Green	14	Red/Black
5	Yellow	15	Green/Black
6	Brown	16	Yellow/Black
7	Blue	17	Brown/Black
8	Orange	18	Blue/Black
9	Gray	19	Orange/Black
10	Purple	20	Purple/Black

NOT TO SCALE

Revision process

Revised Date	Rivised Items
2014, 1,16	The first edition
2015, 5,28 Edition A	Change of Insulation color : Black → White/Black , White → Red/Black Red → Green/Black , Green → Yellow/Black Yellow → Brown/Black , Brown → Blue/Black Blue → Orange/Black , Orange → Purple/Black