

# DYDEN CORPORATION

ELECTRIC WIRES  
& CABLES PRODUCTS

DATE Mar, 21, 2014

SPEC. No.FSC14-195

## SPECIFICATION

FOR

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

(RMCV - K r (21911))

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 .

2. SYMBOL, SIZE

The symbol and size of the cable shall be

" RMCV-Kr(21911)      AWG12/4C "  
(3.5mm<sup>2</sup>/4C)

3. UL STANDARD

RECONGNIZED by UNDERWRITERS LABORATORIES Inc.

STYLE No.	21911 (UL 758 : AWM)
Rating TEMP.	80°C
VOLT.	300V
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 AWG12/4C — "

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Table 1 Construction

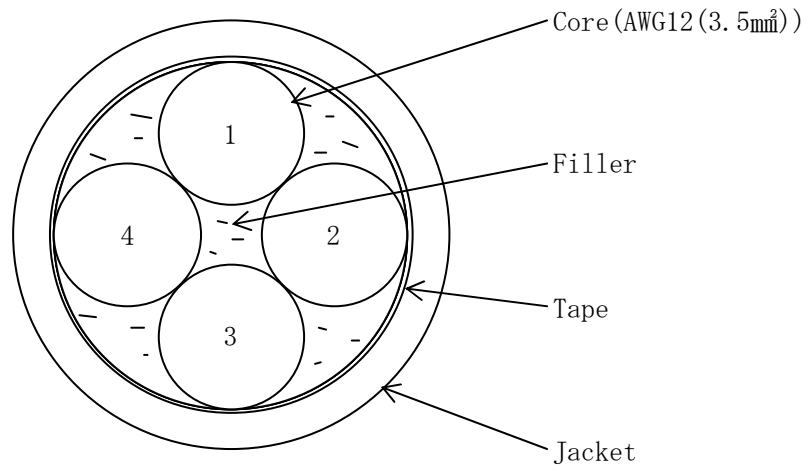
I T E M		V A L U E
Symbol		RMCV-Kr(21911)
Size	AWG(mm <sup>2</sup> )	12 (3.5)
Conductor	Material	Tinned Annealed Copper
	Construction(No./mm)	7/64/0.10
	Dia. (approx. mm)	2.77
Insulation	Material	XLPE
	Thickness(approx. mm)	0.60
	Dia. (approx. mm)	3.97
Stranding	Center layer	4 C
Tape	—	Binder tape
Jacket	Material(color)	Flame retardant • Oil resistant PVC (Black)
	Thickness(approx. mm)	1.2
Overall diameter(approx. mm)		12.1
Approx. mass(kg/km)		230

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( $\Omega$ /km)	6.01
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