

# DYDEN CORPORATION

ELECTRIC WIRES  
& CABLES PRODUCTS

DATE Feb, 6, 2014  
SPEC. No.FSC13-545A

## 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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Engineering dept  
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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) AWG19/4C "  
(0.75mm<sup>2</sup>/4C)

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 Horizontal flame test (HF) 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 AWG19/4C — "

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Table 1 Construction

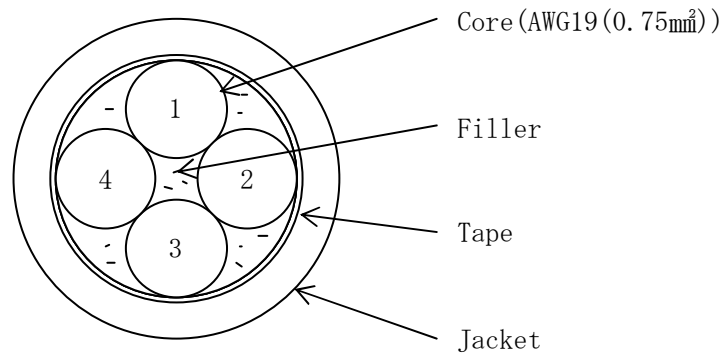
I T E M		V A L U E
Symbol		RMCV-Kr(21911)
Size	AWG(mm <sup>2</sup> )	19 (0.75)
Conductor	Material	Annealed Copper
	Construction(No./mm)	7/20/0.08
	Dia. (approx. mm)	1.24
Insulation	Material	XLPE
	Thickness(approx. mm)	0.40
	Dia. (approx. mm)	2.04
Stranding	Center layer	4 C
Tape	—	Binder tape
Jacket	Material(color)	Flame retardant • Oil resistant PVC (Black)
	Thickness(approx. mm)	0.8
Overall diameter(approx. mm)		6.6 (max 6.8)
Approx. mass(kg/km)		65

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)	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



CoreNo.	Colors
1	Black
2	White
3	Red
4	Green

NOT TO SCALE

## Revision process

Revised Date	Rivised Items
2013, 9, 10	The first edition
2014, 2, 6 Edition A	Change of Jacket Thickness (approx. mm) (1.0 → 0.8) Change of Overall diameter (approx. mm) (7 → 6.6(max 6.8)) Change of Approx. mass (kg/km) (70 → 65)