

# DYDEN CORPORATION

ELECTRIC WIRES  
& CABLES PRODUCTS

DATE Jul, 25, 2016

SPEC. No.FSC16-537

## SPECIFICATION

FOR

ETHYLENE TETRAFLUOROETHYLENE (ETFE) INSULATED  
AND PVC JACKETED CABLE

(RMFES - Kr (2517))

RoHS correspondence



signed by S. Maeda  
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1. SCOPE

This specification covers the construction, characteristics of the Ethylene Tetrafluoroethylene (ETFE) insulated and PVC jacketed cable .

2. SYMBOL, SIZE

The symbol and size of the cable shall be

“ RMFES-Kr(2517) AWG25/20C ”  
(0.2mm<sup>2</sup>/20C)

3. UL STANDARD

RECONGNIZED by UNDERWRITERS LABORATORIES Inc.

STYLE No.	2517 (UL 758 : AWM)
Rating TEMP.	105°C
VOLT.	300V
USE	External interconnection of electronic equipment or internal wiring of electronic equipment or appliances.

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 2517 105C 300V VW-1 -LF- RMFES-Kr AWG25/20C — ”

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Table 1 Construction

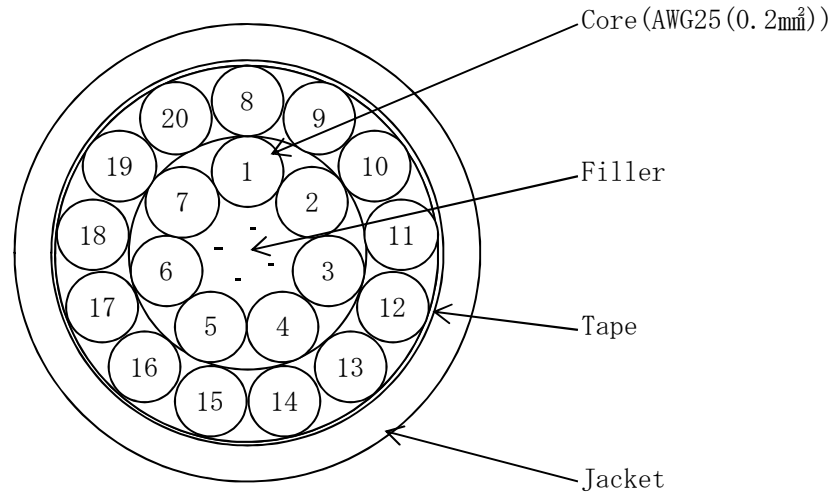
I T E M		V A L U E
Symbol		RMFES-Kr (2517)
Size	AWG (mm <sup>2</sup> )	25 (0.2)
Conductor	Material	Tinned Annealed Copper
	Construction (No./mm)	40/0.08
	Dia. (approx. mm)	0.58
Insulation	Material	ETFE
	Thickness (approx. mm)	0.20
	Dia. (approx. mm)	0.98
Stranding	Center layer	7 C
	First layer	13 C
Tape	—	Binder tape
Jacket	Material (color)	Flame retardant • Smooth PVC (Black)
	Thickness (approx. mm)	1.0
Overall diameter (approx. mm)		7.3
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 ( $\Omega$ /km)	107.3
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	11	Light blue
2	White	12	Pink
3	Red	13	Black
4	Green	14	White
5	Yellow	15	Red
6	Brown	16	Green
7	Blue	17	Yellow
8	Orange	18	Brown
9	Gray	19	Blue
10	Purple	20	Orange

NOT TO SCALE