

# DYDEN CORPORATION

ELECTRIC WIRES  
& CABLES PRODUCTS

DATE Oct, 4, 2013

SPEC. No.FSC13-612

## SPECIFICATION

FOR

ETHYLENE TETRAFLUOROETHYLENE (ETFE) INSULATED  
AND PVC JACKETED CABLE

(RMFES - Kr (2586))

RoHS correspondence



signed by *K. Nishimura*  
K. NISHIMURA

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Factory Automation & Robot Cable Division

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(2586) AWG17/6C ”  
(1.25mm<sup>2</sup>/6C)

3. UL STANDARD

RECONGNIZED by UNDERWRITERS LABORATORIES Inc.

STYLE No.	2586 (UL 758 : AWM)
Rating TEMP.	105°C
VOLT.	600 V
USE	External interconnection or 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 2586 105C 600V VW-1 -LF- RMFES-Kr AWG17/6C — ”

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Table 1 Construction

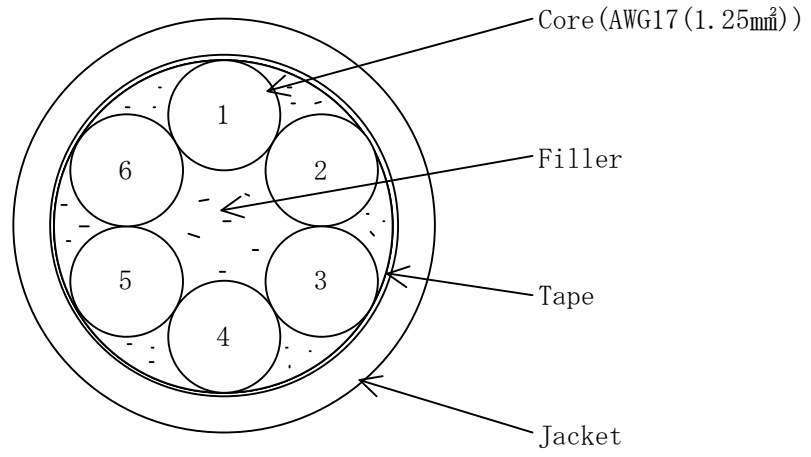
I T E M		V A L U E
Symbol		RMFES-Kr (2586)
Size	AWG (mm <sup>2</sup> )	17 (1.25)
Conductor	Material	Tinned Annealed Copper
	Construction (No./mm)	7/33/0.08
	Dia. (approx. mm)	1.50
Insulation	Material	ETFE
	Thickness (approx. mm)	0.40
	Dia. (approx. mm)	2.30
Stranding	Center layer	6 C
Tape	—	Binder tape
Jacket	Material (color)	Flame retardant • Smooth PVC (Black)
	Thickness (approx. mm)	1.1
Overall diameter (approx. mm)		9.2
Approx. mass (kg/km)		140

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)	18.6
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
5	Yellow
6	Brown

NOT TO SCALE