

DYDEN CORPORATION

ELECTRIC WIRES
& CABLES PRODUCTS

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SPEC. No. FSC09-962

SPECIFICATION

FOR

ETHYLENE TETRAFLUOROETHYLENE (ETFE) INSULATED
AND PVC JACKETED CABLE
(RMFES - Kr (2517))

RoHS correspondence

signed by

_____ Y. KAWANAMI

Manager
Engineering section
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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(2517) AWG21/12C ”
(0.5mm²/12C)

3. UL STANDARD

RECOGNIZED 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 — ”

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Table 1 Construction

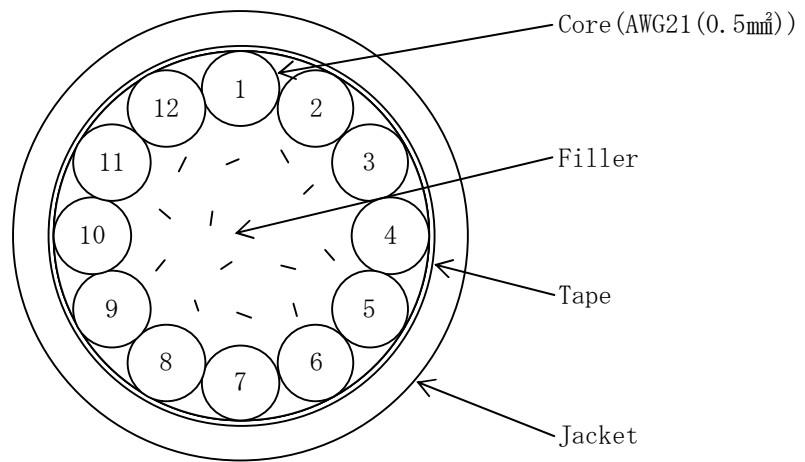
I T E M		VALUE
Symbol		RMFES-Kr (2517)
Size	AWG (mm ²)	21 (0.5)
Conductor	Material	Tinned Annealed Copper
	Construction (No. /mm)	3/33/0.08
	Dia. (approx. mm)	1.14
Insulation	Material	ETFE
	Thickness (approx. mm)	0.25
	Dia. (approx. mm)	1.64
Stranding	Center layer	12 C
Tape	—	Binder tape
Jacket	Material (color)	Low frictional • Smooth PVC (Black)
	Thickness (approx. mm)	1.1
Overall diameter (approx. mm)		10.5
Approx. mass (kg/km)		130

Table 2 Characteristics (at 20°C)

I T E M	STANDARD VALUE
Max. DC resistance of conductor (Ω /km)	43.4
Min. insulation resistance ($M\Omega$ -km)	100
Dielectric strength (V/min)	AC 2000

Fig 1

Cross-Section of Cable



CoreNo.	Colors
1	Black
2	White
3	Red
4	Green
5	Yellow
6	Brown
7	Blue
8	Orange
9	Gray
10	Purple
11	Light blue
12	Pink

NOT TO SCALE

