DYDEN CORPORATION

ELECTRIC WIRES
& CABLES PRODUCTS

SPECIFICATION

FOR

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

RoHS correspondence

signed by *Y. Kawanami*
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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)   AWG12/4C "
   (3.5mm²/4C)

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

ITEM		VALUE
Symbol		RMFES-Kr (2517)
Size	AWG (mm²)	12 (3.5)
Conductor	Material	Tinned Annealed Copper
	Construction (No. /mm)	7/64/0.10
	Dia. (approx. mm)	2.60
Insulation	Material	ETFE
	Thickness (approx. mm)	0.35
	Dia. (approx. mm)	3.30
Stranding	Center layer	4 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)		220

Table 2　Characteristics　(at 20℃)

ITEM	STANDARD VALUE
Max. DC resistance of conductor (Ω/km)	6.01
Min. insulation resistance (MΩ-km)	100
Dielectric strength (V/min)	AC 2000

Fig　1

Cross-Section of Cable
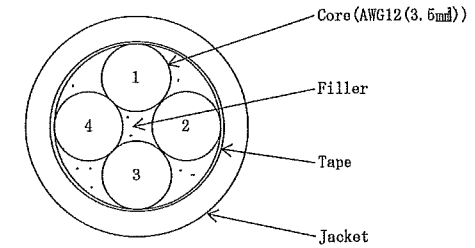
CoreNo.	Colors
1	Black
2	White
3	Red
4	Green

NOT TO SCALE