

DYDEN CORPORATION

ELECTRIC WIRES
& CABLES PRODUCTS

DATE Jan, 9, 2014

SPEC. No. JS08-485

SPECIFICATION

FOR

POLYETHYLENE INSULATED
AND PVC JACKETED CABLE WITH SHIELD

(RS-MIII(20276))

RoHS correspondence



signed by *K. Nishimura*
K. NISHIMURA

Manager
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1. SCOPE

This specification covers the construction, cable use to MECHATROLINK-III.

2. SYMBOL, SIZE

The symbol and size of the cable shall be

" RS-MIII (20276) AWG22/4C "

3. UL STANDARD

RECONGNIZED by UNDERWRITERS LABORATORIES Inc.

STYLE No.	20276 (UL 758 : AWM)
Rating TEMP.	80°C
VOLT.	30V
USE	Construction A Internal wiring or external interconnection of electronic equipment in Class 2 circuits only.

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.

" — MECHATROLINK-III DYDEN E91337  AWM 20276 80C 30V VW-1 -LF- MECHATROLINK-III —

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Table 1 Construction

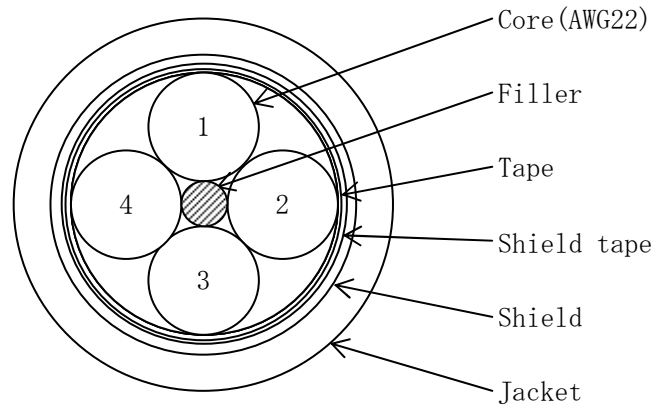
I T E M		V A L U E
Symbol		RS-MIII (20276)
Size	AWG	22
Conductor	Material	Annealed Copper
	Construction (No./mm)	7/0.26
	Dia. (approx. mm)	0.78
Insulation	Material	PE
	Thickness (approx. mm)	0.36
	Dia. (approx. mm)	1.50
Stranding	Center layer	4 C
Tape	—	Binder tape
Shield tape	Material	Aluminum polyester tape
Shield (Braid)	Material	Tinned Annealed Copper
	Thickness (approx. mm)	0.35
Jacket	Material (color)	Flame retardant • Oil resistant PVC (Blue)
	Thickness (approx. mm)	0.8
Overall diameter (mm)		6.4 (max 6.7)
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 (Ω /km)	51.7
Min. insulation resistance ($M\Omega$ -km)	1000
Dielectric strength (V/min)	AC 500
Characteristic impedance. (Ω)	85~115 (at 1~100MHz)

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	Orange
2	White
3	Yellow
4	Blue

NOT TO SCALE