

AC Servo Motor(M) Cable

Applications/Features

- Lineup of cables for fixed/moving parts of encoder, motor power, and motor brake.
- Replaceable with general products with the same size.
- Flexible type has a line on the sheath for easy identification.
- Compliant with RoHS2.

Line-ups

Application	Type	Length of use	Cable	
			Model	Length
Encoder	Fixed/Lead wire · Direct connection	10m or under	MASJ-AWG22 × 3P(L)	100m (B)
	Flexible/Lead wire · Direct connection	10m or under	MASJ-AWG22 × 3P(H)	100m (B)
Motor Power	Fixed/Lead wire · Direct connection	10m or under	MASJ-AWG18 × 4C(L)	100m (B)
	Lead wire · Relay	0.3m		100m (B)
	Flexible/Lead wire · Direct connection	10m or under	MASJ-AWG19 × 4C(H)	100m (B)
Motor brake	Fixed/Lead wire · Direct connection	10m or under	MASJ-AWG20 × 2C(L)	100m (B)
	Lead wire · Relay	0.3m		
	Flexible/Lead wire · Direct connection	10m or under	MASJ-AWG20 × 2C(H)	100m (B)

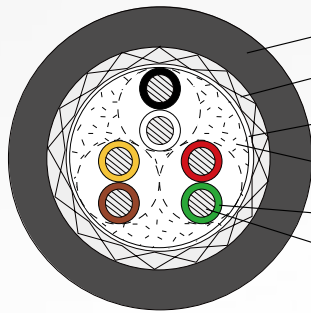
- Refer to "Construction/Properties" for details.
- "B" in Length part means "Bundle".

Construction/Properties

MASJ-AWG22 × 3P(L)



UL AWM E43868 20276 80C 30V VW-1 TACHII



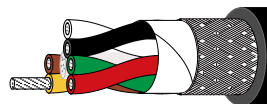
- Sheath(oil, heat resistant PVC ;black)
- Braided shield(tinned annealed copper wire)
- Tape(paper)
- Filler(cotton)
- Insulation(heat resistant PVC)
- Conductor(tinned annealed copper wire)

• Standard

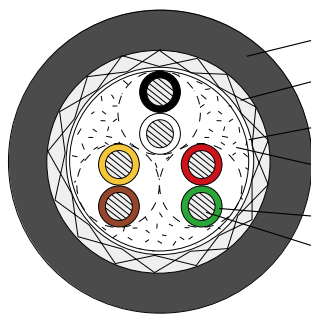
	UL AWM
Standard	UL758
Style/Type	Style 20276
Rated voltage	30V
Rated temp.	80°C
Flame retardance	VW-1

Core	Conductor		Insulation		Strand	Braided shield	Sheath	Weight	Conductor resistance (20°C)	Insulation resistance (20°C)	Test voltage
No.	Size	Construction	OD	Color	OD	Wire	OD		Q /km	M. Q · km	
cores	mm ²	No./mm	mm		mm	mm	mm	kg/km			V · min
6 (3P)	22	7/0.26	1.2	Br,Wh Re,Gr Ye,Bw	4.6	0.12	7.1 ±0.3	72	56.0 or under	10 or more	AC500

MASJ-AWG22 × 3P(H)



UL AWM E43868 20276 80C 30V VW-1 TACHII



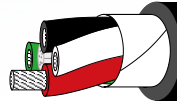
- Sheath(oil, heat resistant PVC ;black)
- Braided shield(tinned annealed copper wire)
- Tape(paper)
- Filler(cotton)
- Insulation(ETFE)
- Conductor(tinned annealed copper wire)

• Standard

	UL AWM
Standard	UL758
Style/Type	Style 20276
Rated voltage	30V
Rated temp.	80°C
Flame retardance	VW-1

Core	Conductor		Insulation		Strand	Braided shield	Sheath	Weight	Conductor resistance (20°C)	Insulation resistance (20°C)	Test voltage
No.	Size	Construction	OD	Color	OD	Wire	OD		Q /km	M. Q · km	
cores	mm ²	No./mm	mm		mm	mm	mm	kg/km			V · min
6 (3P)	22	70/0.08	1.2	Br,Wh Re,Gr Ye,Bw	4.6	0.12	7.1 ±0.3	73	60.3 or under	100 or more	AC500

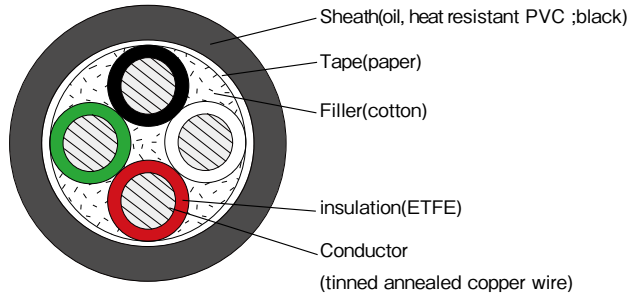
MASJ-AWG18 × 4C(L)



E43868 AWM 2517 VW-1

AWM I/II 105C 300V FT1 TACHII

(The actual printing is one line.)

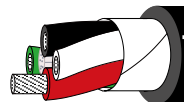


• Standard

	UL AWM	cUL AWM
Standard	UL758	CSA22.2 No.210
Style/Type	Style 2517	I / II · A/B
Rated voltage	300V	300V
Rated temp.	105°C	105°C
Flame retardance	VW-1	FT1

No. of cores	Conductor		Insulation		Strand	Sheath	Weight	Conductor resistance (20°C)	Insulation resistance (20°C)	Test voltage
	Size	Construction	OD	Color	OD	OD				
cores	AWG	No./mm	mm		mm	mm	kg/km	Ω /km	M Ω ·km	V · min.
4	18	34/0.18	1.7	Br,Wh Re,Gr	4.1	6.3 ±0.3	65	23.8 or under	100 or more	AC2000

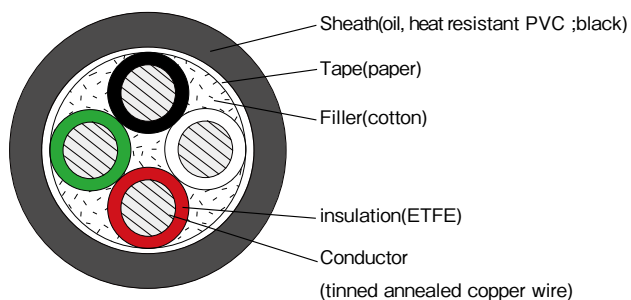
MASJ-AWG19 × 4C(H)



E43868 AWM 2517 VW-1

AWM I/II 105C 300V FT1 TACHII

(The actual printing is one line.)



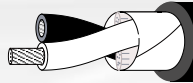
• Standard

	UL AWM	cUL AWM
Standard	UL758	CSA22.2 No.210
Style/Type	Style 2517	I / II · A/B
Rated voltage	300V	300V
Rated temp.	105°C	105°C
Flame retardance	VW-1	FT1

No. of cores	Conductor		Insulation		Strand	Sheath	Weight	Conductor resistance (20°C)	Insulation resistance (20°C)	Test voltage
	Size	Construction	OD	Color	OD	OD				
cores	AWG	No./mm	mm		mm	mm	kg/km	Ω /km	M Ω ·km	V · min.
4	19	150/0.08	1.6	Br,Wh Re,Gr	4.0	5.9 ±0.3	57	27.8 or under	100 or more	AC2000

AC Servo Motor(M) Cable

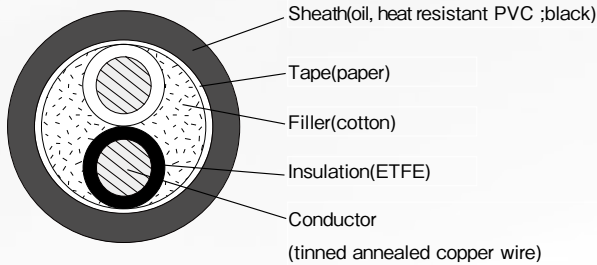
MASJ-AWG20 × 2C(L)



E43868 AWM 2517 VW-1

cUL AWM I/II 105C 300V FT1 TACHII

(The actual printing is one line.)

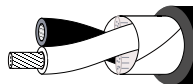


• Standard

	UL AWM	cUL AWM
Standard	UL758	CSA22.2 No.210
Style/Type	Style 2517	I / II • A/B
Rated voltage	300V	300V
Rated temp.	105°C	105°C
Flame retardance	VW-1	FT1

No. of cores	Conductor		Insulation		Strand	Sheath		Weight	Conductor resistance (20°C)	Insulation resistance (20°C)	Test voltage
	Size	Construction	OD	Color		OD	OD				
cores	AWG	No./mm	mm		mm	mm	mm	kg/km	Ω /km	M Ω ·km	V · min.
2	20	21/0.18	1.4	Br,Wh	2.8	4.5 ±0.3	28	28	38.6 or under	100 or more	AC2000

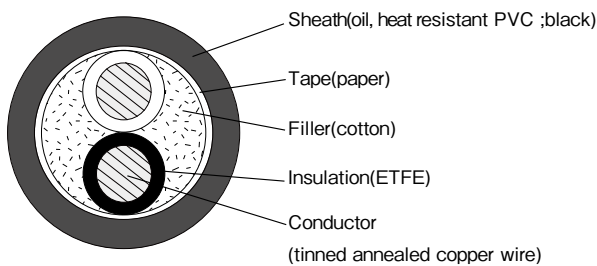
MASJ-AWG20 × 2C(H)



E43868 AWM 2517 VW-1

cUL AWM I/II 105C 300V FT1 TACHII

(The actual printing is one line.)



• Standard

	UL AWM	cUL AWM
Standard	UL758	CSA22.2 No.210
Style/Type	Style 2517	I / II • A/B
Rated voltage	300V	300V
Rated temp.	105°C	105°C
Flame retardance	VW-1	FT1

No. of cores	Conductor		Insulation		Strand	Sheath		Weight	Conductor resistance (20°C)	Insulation resistance (20°C)	Test voltage
	Size	Construction	OD	Color		OD	OD				
cores	AWG	No./mm	mm		mm	mm	mm	kg/km	Ω /km	M Ω ·km	V · min.
2	20	110/0.08	1.4	Br,Wh	2.8	4.5 ±0.3	28	28	38 or under	100 or more	AC2000