

UL Listing(PLCC) 300V Heat resistant/Flexible

TRGV3(BS) AWG26 ~ AWG20

Applications/Features

- For control devices, signal line of moving parts such as robot arms and power line connection.
- Excellent heat resistance, oil resistance and flexibility.
- Abundant choices of wire size(AWG26-20), cores, and optionaal braided shields.
- Reduced crosstalk noise . — The twisted pair types have different pitch for adjacent pairs.
- Super slim. — 30% thinner than our existing instrumentation cable.
- Easy core identification. — All cores have diifferent color patterns. (common in our series TKVV) .
- Multi-standard cable. — Complies with UL listing(UL PLCC), UL recognized and cUL(CSA AWM)
- Compliant with NFPA79.
- Compliant with RoHS2.

Standard

- Standard

	UL PLCC ※1	UL AWM	cUL AWM
Standard	UL 13	UL758	CSA22.2 No.210
Style/Type	CL3	Style 2517	I / II / A/B
Rated Volage	(300V)	300V	300V
Rated Temp.	105℃	105℃	105℃
Flame Retardance	Vertical Tray	VW-1	FT1

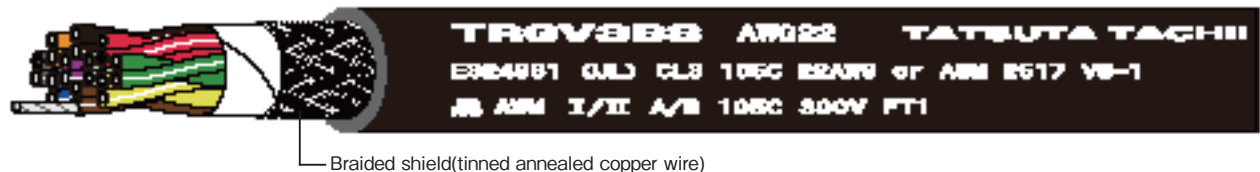
※1 1P-AWG26 and 2P-AWG26 does not comply with UL PLCC. They comply with only UL AWM and cUL.

Construction/Properties

【Unshielded/Pair type】 TRGV3 AWG26,24,22,20



【Shielded/Pair type】 TRGV3BS AWG26,24,22,20



〈The actual printing is one line.〉

【Unshielded/Pair type】TRGV3 AWG26,24,22,20

Model	Conductor			Insulation		Sheath		Weight kg/km	Conductor resistance (20℃) Ω /km	Insulation resistance (20℃) M.Ω /km	Test voltage V·1min	Allowable current (30℃) A	Length m
	Size	Const- ruction	OD	Thick- ness	OD	Thick- ness	OD						
	AWG	No./mm	mm	mm	mm	mm	mm						
1P-AWG26	26 (0.15mm ²)	30/0.08	0.51	0.18	0.87	0.80	3.5	15	140 or under	100 or more	AC2000	3.7	100 (B)
2P-AWG26						0.90	5.1	27				2.9	
3P-AWG26						0.90	5.4	31				2.4	
4P-AWG26						0.90	5.8	34				2.2	
5P-AWG26						0.90	6.2	43				2.0	
6P-AWG26						0.90	6.6	47				1.8	
8P-AWG26						1.00	7.8	64				1.5	
10P-AWG26						1.00	8.8	79				1.4	
12P-AWG26						1.00	8.8	85				1.2	
15P-AWG26						1.00	9.5	102				1.2	
18P-AWG26						1.00	9.9	110				1.2	
20P-AWG26						1.00	10.3	122				1.1	
1P-AWG24	24 (0.22mm ²)	44/0.08	0.61	0.18	0.97	0.80	3.7	17	95.1 or under	100 or more	AC2000	4.8	100 (B)
2P-AWG24						0.90	5.5	32				3.8	
3P-AWG24						0.90	5.8	37				3.2	
4P-AWG24						0.90	6.3	45				2.8	
5P-AWG24						0.90	6.7	52				2.5	
6P-AWG24						1.00	7.3	61				2.4	
8P-AWG24						1.00	8.5	81				2.1	
10P-AWG24						1.00	9.6	102				2.0	
12P-AWG24						1.00	9.6	108				1.8	
15P-AWG24						1.00	10.4	129				1.6	
18P-AWG24						1.00	10.8	144				1.5	
20P-AWG24						1.00	11.2	153				1.4	
1P-AWG22	22 (0.35mm ²)	70/0.08	0.77	0.19	1.15	0.90	4.2	23	60.3 or under	100 or more	AC2000	6.5	100 (B)
2P-AWG22						1.00	6.3	44				5.2	
3P-AWG22						1.00	6.7	53				4.3	
4P-AWG22						1.00	7.3	63				3.8	
5P-AWG22						1.00	7.8	74				3.5	
6P-AWG22						1.00	8.3	85				3.2	
8P-AWG22						1.00	9.6	112				2.9	
10P-AWG22						1.00	11.0	144				2.7	
12P-AWG22						1.00	11.0	151				2.5	
15P-AWG22						1.00	11.9	180				2.2	
18P-AWG22						1.00	12.6	209				2.1	
20P-AWG22						1.00	13.1	215				2.0	
1P-AWG20	20 (0.55mm ²)	110/0.08	0.97	0.19	1.35	0.90	4.6	29	38.4 or under	100 or more	AC2000	8.9	100 (B)
2P-AWG20						1.00	7.1	57				7.0	
3P-AWG20						1.00	7.5	70				5.8	
4P-AWG20						1.00	8.2	85				5.2	
5P-AWG20						1.00	8.8	100				4.7	
6P-AWG20						1.00	9.4	115				4.4	
8P-AWG20						1.00	10.9	154				4.0	
10P-AWG20						1.10	12.7	203				3.7	
12P-AWG20						1.10	12.7	215				3.4	
15P-AWG20						1.20	14.0	263				3.0	100(D)

• Refer to "Pattern ①" on P.39 for core configuration.

• "B" in Length part means "Bundle", "D" in Length part means "Drum".

【Shielded/Pair type】TRGV3BS AWG26,24,22,20

Model	Conductor			Insulation		Sheath		Weight kg/km	Conductor resistance (20℃) Ω /km	Insulation resistance (20℃) M Ω /km	Test voltage V·1min	Allowable Current (30℃) A	Length m
	Size	Const- ruction	OD	Thick- ness	OD	Thick- ness	OD						
	AWG	No./mm	mm	mm	mm	mm	mm						
1P-AWG26	26 (0.15mm ²)	30/0.08	0.51	0.18	0.87	0.90	4.1	24	140 or under	100 or more	AC2000	3.7	100 (B)
2P-AWG26						0.90	5.5	37				2.9	
3P-AWG26						0.90	5.8	44				2.4	
4P-AWG26						0.90	6.2	49				2.2	
5P-AWG26						0.90	6.6	57				2.0	
6P-AWG26						0.90	7.2	68				1.8	
8P-AWG26						1.00	8.2	85				1.5	
10P-AWG26						1.00	9.2	103				1.4	
12P-AWG26						1.00	9.2	107				1.2	
15P-AWG26						1.00	9.9	125				1.2	
18P-AWG26						1.00	10.3	137				1.2	
20P-AWG26						1.00	10.7	152				1.1	
1P-AWG24	24 (0.22mm ²)	44/0.08	0.61	0.18	0.97	0.90	4.3	27	95.1 or under	100 or more	AC2000	4.8	100 (B)
2P-AWG24						0.90	5.9	45				3.8	
3P-AWG24						0.90	6.2	52				3.2	
4P-AWG24						1.00	6.9	63				2.8	
5P-AWG24						1.00	7.3	71				2.5	
6P-AWG24						1.00	7.7	80				2.4	
8P-AWG24						1.00	8.9	103				2.1	
10P-AWG24						1.00	10.0	126				2.0	
12P-AWG24						1.00	10.0	131				1.8	
15P-AWG24						1.00	10.8	153				1.6	
18P-AWG24						1.00	11.2	167				1.5	
20P-AWG24						1.00	11.6	181				1.4	
1P-AWG22	22 (0.35mm ²)	70/0.08	0.77	0.19	1.15	0.90	4.6	32	60.3 or under	100 or more	AC2000	6.5	100 (B)
2P-AWG22						1.00	6.7	58				5.2	
3P-AWG22						1.00	7.1	68				4.3	
4P-AWG22						1.00	7.7	82				3.8	
5P-AWG22						1.00	8.2	93				3.5	
6P-AWG22						1.00	8.7	106				3.2	
8P-AWG22						1.00	10.0	132				2.9	
10P-AWG22						1.00	11.4	168				2.7	
12P-AWG22						1.00	11.4	176				2.5	
15P-AWG22						1.00	12.5	214				2.2	
18P-AWG22						1.00	13.0	239				2.1	
20P-AWG22						1.20	13.7	264				2.0	100(D)
1P-AWG20	20 (0.55mm ²)	110/0.08	0.97	0.19	1.35	0.90	5.0	39	38.4 or under	100 or more	AC2000	8.9	100 (B)
2P-AWG20						1.00	7.5	73				7.0	
3P-AWG20						1.00	7.9	87				5.8	
4P-AWG20						1.00	8.6	106				5.2	
5P-AWG20						1.00	9.2	121				4.7	
6P-AWG20						1.00	9.8	139				4.4	
8P-AWG20						1.00	11.5	188				4.0	
10P-AWG20						1.10	13.1	237				3.7	
12P-AWG20						1.10	13.1	250				3.4	
15P-AWG20						1.20	14.4	302				3.0	100(D)

• Refer to "Pattern ①" on P.40 for core configuration.

• "B" in Length part means "Bundle", "D" in Length part means "Drum".