

TRGV6(BS) AWG18 ~ AWG14

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(AWG18-14), cores, and optional braided shields.
- Highly visible ground wire. (Green/Yellow)
- Super slim. – 30% thinner than our existing instrumentation cable.
- Multi-standard cable. – Complies with UL listing(UL PLCC), UL recognized and cUL(CSA AWM)
- Compliant with NFPA79.
- Compliant with RoHS2.

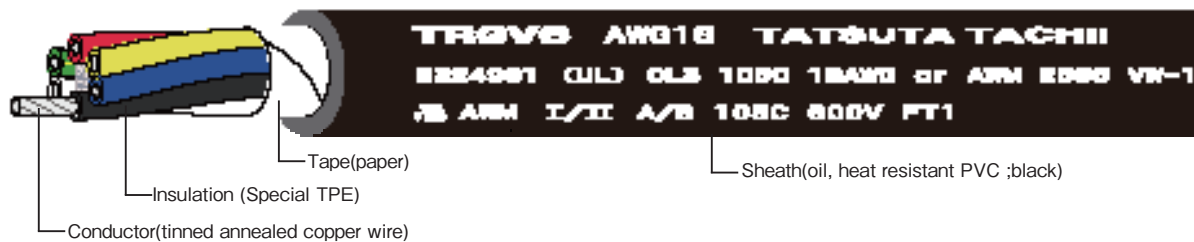
Standard

- Standard

	UL PLCC	UL AWM	cUL AWM
Standard	UL 13	UL758	CSA22.2 No.210
Style/Type	CL3	Style 2586	I / II / A/B
Rated Volage	(300V)	600V	600V
Rated Temp.	105°C	105°C	105°C
Flame Retardance	Vertical Tray	VW-1	FT1

Construction/Properties

[Unshielded/Core type] TRGV6 AWG18,16,14



[Shielded/Core type] TRGV6BS AWG18,16,14



<The actual printing is one line.>

[Unshielded/Core type] TRGV6 AWG18,16,14

Instrumentation/FA Cables

Model	Conductor			Insulation		Sheath		Weight kg/km	Conductor resistance (20°C) Ω /km	Insulation resistance (20°C) M.Ω /km	Test voltage V-1min	Allowable current (30°C) A	Length m
	Size	Const- ruction	OD	Thick- ness	OD	Thick- ness	OD						
	AWG	No./mm	mm	mm	mm	mm	mm						
2C-AWG18	18 (0.9mm ²)	175/0.08	1.30	0.28	1.86	0.90	5.7	43	23.9 or under	100 or more	AC2000	13.1	100 (B)
3C-AWG18						0.90	5.9	52				11.5	
4C-AWG18						0.90	6.4	64				10.4	
5C-AWG18						1.00	7.1	80				9.3	
6C-AWG18						1.00	7.7	93				8.6	
8C-AWG18						1.00	8.9	119				7.7	
10C-AWG18						1.00	9.8	146				7.0	
2C-AWG16	16 (1.4mm ²)	280/0.08	1.64	0.28	2.20	0.90	6.3	58	14.9 or under	100 or more	AC2000	18.0	100 (B)
3C-AWG16						0.90	6.7	73				15.8	
4C-AWG16						1.00	7.4	92				14.3	
5C-AWG16						1.00	8.1	111				12.7	
6C-AWG16						1.00	8.7	134				11.9	
8C-AWG16						1.10	10.4	179				10.5	
10C-AWG16						1.10	11.4	220				9.7	
2C-AWG14	14 (2.2mm ²)	434/0.08	2.03	0.29	2.60	1.00	7.3	84	9.64 or under	100 or more	AC2000	24.3	100 (B)
3C-AWG14						1.00	7.7	107				21.3	
4C-AWG14						1.00	8.4	134				19.2	
5C-AWG14						1.00	9.2	164				17.2	
6C-AWG14						1.00	9.9	194				16.0	

• Refer to "Pattern ②" on P.41 for core configuration.

[Shielded/Core type] TRGV6BS AWG18,16,14

Model	Conductor			Insulation		Sheath		Weight kg/km	Conductor resistance (20°C) Ω /km	Insulation resistance (20°C) M.Ω /km	Test voltage V-1min	Allowable current (30°C) A	Length m
	Size	Const- ruction	OD	Thick- ness	OD	Thick- ness	OD						
	AWG	No./mm	mm	mm	mm	mm	mm						
2C-AWG18	18 (0.9mm ²)	175/0.08	1.30	0.28	1.86	0.90	6.1	57	23.9 or under	100 or more	AC2000	13.1	100 (B)
3C-AWG18						0.90	6.3	67				11.5	
4C-AWG18						0.90	7.0	84				10.4	
5C-AWG18						1.00	7.5	99				9.3	
6C-AWG18						1.00	8.1	115				8.6	
8C-AWG18						1.00	9.3	123				7.7	
10C-AWG18						1.00	10.4	156				7.0	
2C-AWG16	16 (1.4mm ²)	280/0.08	1.64	0.28	2.20	1.00	6.9	76	14.9 or under	100 or more	AC2000	18.0	100 (B)
3C-AWG16						1.00	7.3	90				15.8	
4C-AWG16						1.00	7.8	112				14.3	
5C-AWG16						1.00	8.5	130				12.7	
6C-AWG16						1.00	9.1	155				11.9	
8C-AWG16						1.10	10.8	202				10.5	
10C-AWG16						1.10	11.8	245				9.7	
2C-AWG14	14 (2.2mm ²)	434/0.08	2.03	0.29	2.60	1.00	7.8	103	9.64 or under	100 or more	AC2000	24.3	100 (B)
3C-AWG14						1.00	8.2	127				21.3	
4C-AWG14						1.00	8.9	157				19.2	
5C-AWG14						1.00	9.7	188				17.2	
6C-AWG14						1.10	10.6	225				16.0	

• Refer to "Pattern ②" on P.41 for core configuration.