

IHPSB AWG28

Applications/Features

- For wiring inside and outside devices.
- Excellent heat resistance, oil resistance and flexibility.
- Easy core identification. – Colors and dots of the cores help identify cores.
- Reduce crosstalk noise. –The twisted pair types have different pitch for adjacent pairs.
- EMC –High density braided shield reduces noise.
- UL recognized.
- Compatible with the half pitch connectors. We also have terminal processing service with your preferred length.
- Compliant with RoHS2.

Standard

- Standard

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

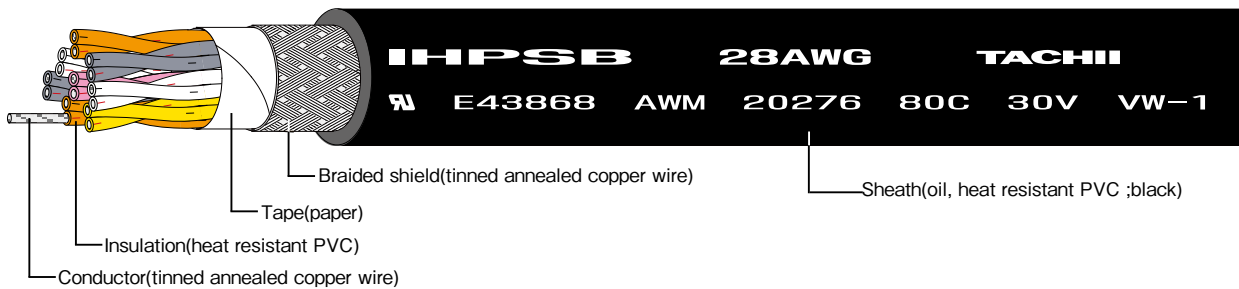
Model

IHP SB □□ P – AWG28

Name of series Braided shield No. of pairs Pair Conductor size

I : I/O Cable
 HP : Compatible with the half pitch connectors.

Construction/Properties



Instrumentation Cable
(For specific application)

IHPSB AWG28

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						
5P-AWG28	28	7/0.127	0.38	0.1	0.58	0.9	5.1	37	246 or under	5 or more	AC500	1.0	100 (B)
7P-AWG28						0.9	5.4	43				0.9	
8P-AWG28						0.9	5.7	47				0.8	
10P-AWG28						0.9	6.0	45				0.8	
13P-AWG28						0.9	6.4	63				0.7	
14P-AWG28						0.9	6.7	67				0.7	
17P-AWG28						0.9	7.0	76				0.6	
18P-AWG28						0.9	7.2	79				0.6	
20P-AWG28						0.9	7.5	86				0.6	
25P-AWG28						0.9	8.0	99				0.5	
34P-AWG28						0.9	9.0	126				0.5	50 (B)
50P-AWG28						0.9	10.7	170				0.3	

- Besides the black sheath, we can also produce white and ivory type.
- "B" in Length part means "Bundle".

Coaxial Cable with Connectors

Processed cables with wire-to-board connectors with the specified length are available.



Configuration

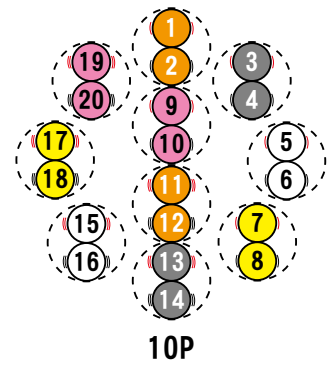
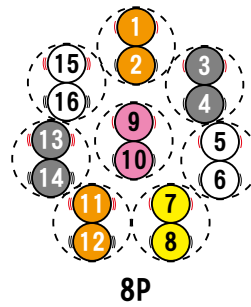
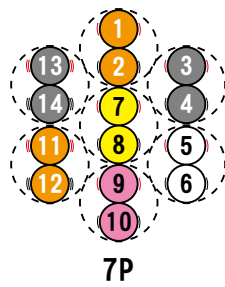
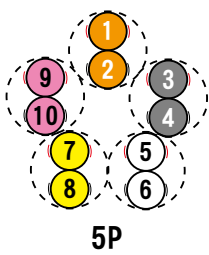
Pair No.	1		2		3		4		5		6		7		8		9		10				
Core No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
Insulation color	Base		Or	Or	Gy	Gy	Wh	Wh	Ye	Ye	Pi	Pi	Or	Or	Gy	Gy	Wh	Wh	Ye	Ye	Pi	Pi	
	Dot		Color	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br
	Pattern		Dot1 (■)										Dot 2 (■ ■)										

Pair No.	11		12		13		14		15		16		17		18		19		20				
Core No.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40			
Insulation color	Base		Or	Or	Gy	Gy	Wh	Wh	Ye	Ye	Pi	Pi	Or	Or	Gy	Gy	Wh	Wh	Ye	Ye	Pi	Pi	
	Dot		Color	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br
	Pattern		Dot 3 (■ ■ ■)										Dot 4 (■ ■ ■ ■)										

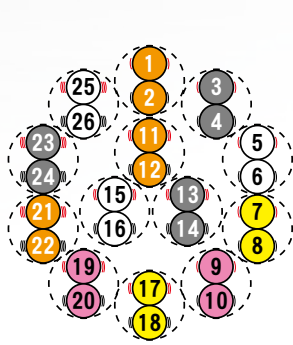
Pair No.	21		22		23		24		25		26		27		28		29		30				
Core No.	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60			
Insulation color	Base		Or	Or	Gy	Gy	Wh	Wh	Ye	Ye	Pi	Pi	Or	Or	Gy	Gy	Wh	Wh	Ye	Ye	Pi	Pi	
	Dot		Color	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br
	Pattern		Multi-dot (■ ■ ■ ■ ■ ■ ■ ■)										dash1 (—)										

Pair No.	31		32		33		34		35		36		37		38		39		40				
Core No.	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80			
Insulation color	Base		Or	Or	Gy	Gy	Wh	Wh	Ye	Ye	Pi	Pi	Or	Or	Gy	Gy	Wh	Wh	Ye	Ye	Pi	Pi	
	Dot		Color	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br
	Pattern		dash 2 (— —)										dash 3 (— — —)										

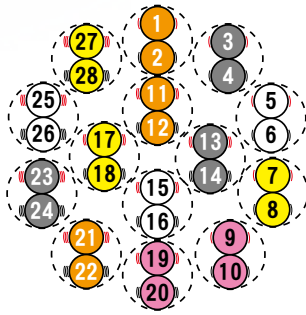
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Core No.	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100			
Insulation color	Base		Or	Or	Gy	Gy	Wh	Wh	Ye	Ye	Pi	Pi	Or	Or	Gy	Gy	Wh	Wh	Ye	Ye	Pi	Pi	
	Dot		Color	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br	Re	Br
	Pattern		dash 4 (— — — —)										Multi-dash (— — — — —)										



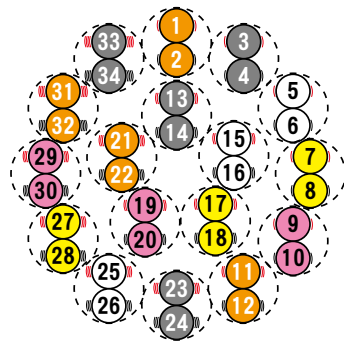
Instrumentation Cable
(For specific application)



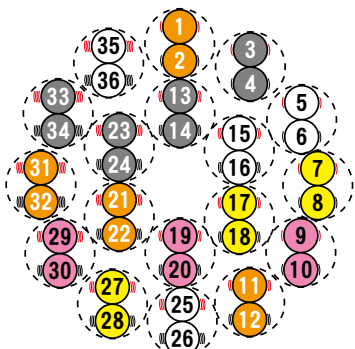
13P



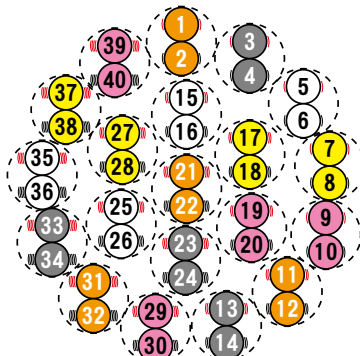
14P



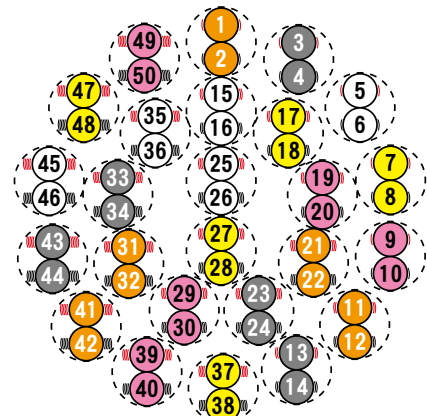
17P



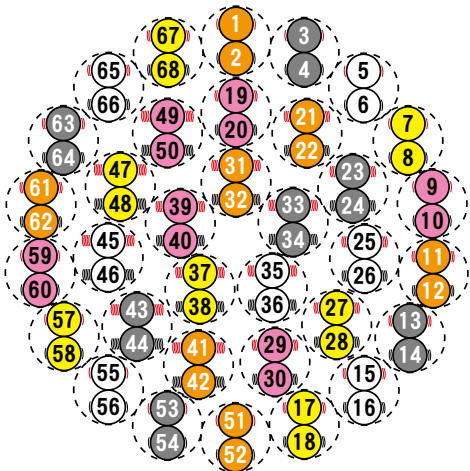
18P



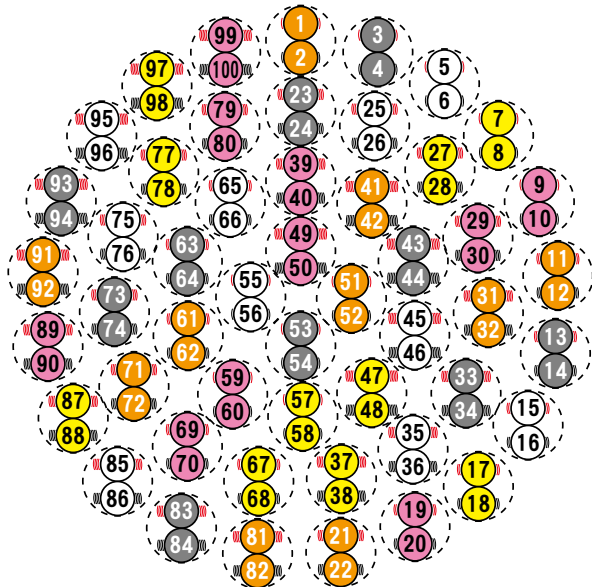
20P



25P



34P



50P

Instrumentation Cable
(For specific application)