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GLOW WIRE CONNECTORS

IEC 60695-2-10
INTERNATIONAL STANDARD

[...] In the design of any electro technical product, the risk of fire and the potential hazards associated with fire need to be considered. In this respect the objective of component, circuit, and product design, as well as the choice of materials, is to reduce to acceptable levels the potential risks of fire during normal operating conditions, reasonable foreseeable abnormal use, malfunction, and/or failure. IEC 60695-1-10 was developed, together with its companion, IEC 60695-1-11, to provide guidance on how this is to be accomplished.

The primary aims of IEC 60695-1-10 and IEC 60695-1-11 are to provide guidance on how:

a- to prevent ignition caused by an electrically energized component part, and

b- to confine any resulting fire within the bounds of the enclosure of the electrotechnical product in the event of ignition.

Secondary aims of these documents include the minimization of any flame spread beyond the product's enclosure and the minimization of harmful effects of fire effluents such as heat, smoke, toxicity and/or corrosivity. Fires involving electro technical products can also be initiated from external non-electrical sources. Considerations of this nature should be dealt with in the overall fire risk assessment. In electro technical equipment, overheated metal parts can act as ignition sources.

In glow wire tests, a glowing wire is used to simulate such an ignition source. This part of IEC 60695 gives recommendations with regard to the glow-wire test apparatus and describes a common test procedure for tests applicable to end products and materials to be used with IEC 60695-2-11 which describes a glow-wire flammability test for end products (GWEPT), IEC 60695-2-12 which describes a glow-wire flammability index test for materials (GWFI), and IEC 60695-2-13 which describes a glow-wire ignition temperature test method for materials (GWIT). [...]

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GLOW WIRE PARTS

In order to ensure a safe & secure environment for your home applicances, JST developed a huge range of Glow Wire connectors. Those ones are conform to the standard IEC 60695 norm, to avoid flammability, you will find this entire list on the next page.

PART
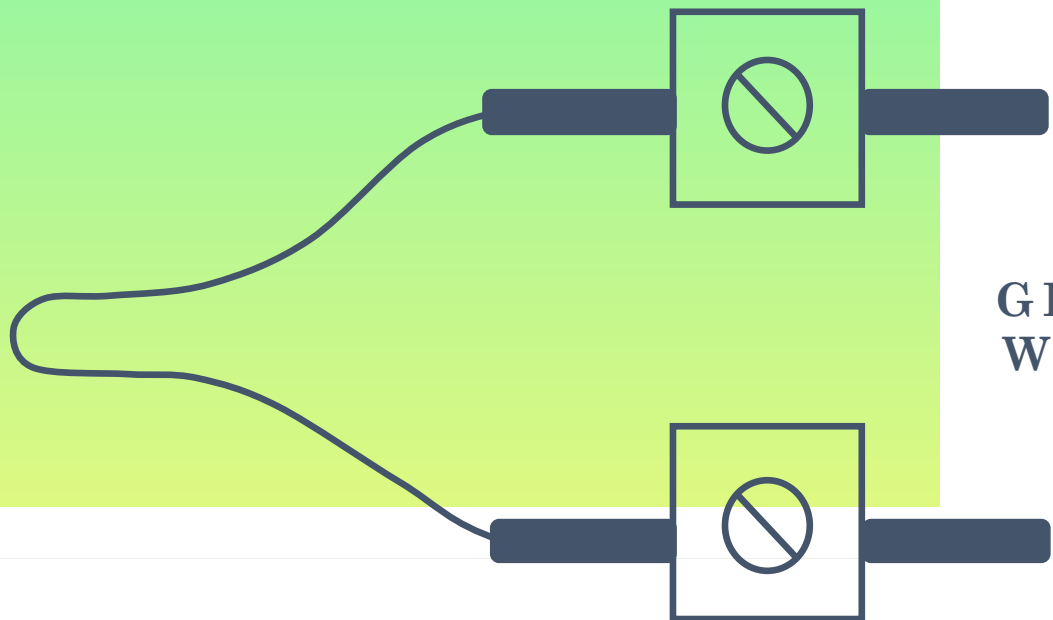
GLOW WIRE

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JST GLOW WIRE CONNECTORS

CONNECTOR SERIES	PART NAME	PART NUMBER	NUMBER OF CIRCUITS
VL connector (6.2 mm pitch)	Plug housing	VLP-( )V-WGT4	1 / 2 / 3 / 4 / 6 / 8 / 9 / 12
		VLP-( )V-WGA1	2 / 3 / 4 / 6 / 12
	Receptacle housing	VLR-( )V-WGT4	2 / 3 / 4 / 6 / 8 / 9 / 12
		VLR-( )V-WGA1	2 / 3 / 4 / 6 / 12
	Receptacle housing	VLR-( )VF-WGT4	1 / 2
NV connector (5.0 mm pitch)	Housing	NVR-( )-WGT4	3 / 4 / 5
	Header	B( )P-NV-N	3 / 4 / 5
WPJ connector (5.0 mm pitch)	Receptacle (Color: Natural)	( )R-WPJV-1-SMM-W (NN)	2 / 3
	Header (Color: Natural)	B( )B-WPJSS-1-W (LF)(SN)	2 / 3
	Receptacle (Color: Red)	( )R-WPJV-2-RMM-W (NN)	2
	Header (Color: Red)	B( )B-WPJRS-2-W (LF)(SN)	2
	Tab assembly (for W to W)	( )T-WPJV-1-SM-W	2 / 3
YL connector (4.5 mm pitch)	Plug housing	YLP-( )V-WGT4	1 / 2 / 3 / 4
		YLP-( )V-4WGA1	2 / 3 / 4 / 6 / 8
	Receptacle housing	YLR-( )V-WGT4	2 / 3 / 4
		YLR-( )V-WGA1	2 / 3 / 4 / 6 / 8
	Receptacle housing	YLR-( )VF-WGT4	1
	(without panel lock)	YLR-( )VF-WGA1	4 / 6
YLN connector (4.5 mm pitch)	Plug housing	YLNP-02V-WGT4	2
	Receptacle housing	YLNR-02V-WGT4	2
EL connector (4.5 mm pitch)	Plug housing	ELP-( )V-WGT4	2 / 3 / 4 / 6
	Receptacle housing	ELR-( )V-WGT4	2 / 3 / 4 / 6
VH connector (3.96 mm pitch)	Housing (Color: Natural)	VHR-( )N-WGT4	2 - 10
			11
		VHR-( )N-WGJ2	2 / 3 / 4 / 5 / 7 / 9
			11
		VHR-( )N-WGM5	3 / 4 / 5 / 6 / 8
	Housing (Color: Red)	VHR-( )N-B-R	2 / 3
	Housing (Color: Blue)	VHR-( )V-B-BL	3
	Housing (Color: Yellow)	VHR-( )V-B-Y	3
	Housing (Color: Black)	VHR-( )V-B-BK	3
	Housing (with retainer)	VHRR-( )N-WGT4	2 - 10
		VHRR-( )N-WGJ2	2 - 10
	Header (Top entry)	B( )P-VH-K-WGA1 (LF)(SN)	2 - 10
	Header (Side entry)	B( )PS-VH-K-WGA1 (LF)(SN)	2 / 3 / 4 / 6
SDN connector	Housing	( )P-SDN-WGA1	3 / 5
BNI connector (3.3 mm pitch)	Socket housing	BNIRP-( )V-*-A-S	2 / 3 / 4 / 10 / 12
		BNIRP-( )V-*-B-M	2 / 3 / 4
		BNIRP-( )V-*-C-E	2 / 3 / 4
	Header	B( )B-BNISK-A-1*	2 / 3 / 4 / 10
		B( )B-BNIMK-B-1*	2 / 3 / 4
		B( )B-BNIEK-C-1*	2 / 3 / 4
XA connector (2.5 mm pitch)	Socket housing (with retainer)	XARP-( )V-WGT4	2 - 15
	Receptacle housing	XARR-( )V-WGT4	2 - 15
	Receptacle housing (without panel lock)	XARR-( )VF-WGT4	2 / 3 / 4 / 5 / 6 / 8 / 9 / 10 / 12
	Header (Top entry)	B( )B-XASK-1-A (LF)(SN)	2 - 15
	Header (Side entry, without peg)	S( )B-XASS-1 (LF)(SN)	2
	Header (Side entry, with peg)	S( )B-XASK-1-A (LF)(SN)	3 - 14
XAD connector (2.5 mm pitch)	Socket housing (with retainer)	XADRP-( )VM	8 / 12 / 14 / 16 / 22 / 24
	Socket housing	XADRP-( )V-WGT4	36 / 40
	Receptacle housing	XADR-( )V-WGA1	36 / 40
	Header (Top entry / witout peg)	B( )B-XADSS-N (LF)(SN)	8 / 10 / 12 / 14 / 16 / 18 / 20 / 22 / 24 / 26 / 28 / 30 / 32 / 34 / 36 / 40
	Header (Top entry with peg)	B( )B-XADSS-N-A (LF)(SN)	8 / 10 / 12 / 14 / 16 / 18 / 20 / 22 / 24 / 26 / 28 / 30 / 32 / 34 / 36 / 40
EH connector (2.5 mm pitch)	Socket housing	EHR-( )-WGT4	2 / 5 / 7
	Header	B( )B-EH-F1 (LF)(SN)	3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13
PA connector (2.0 mm pitch)	Socket housing	PARP-( )V-B (N)	4
	Header	S( )B-PASK-N (LF)(SN)	4
JWPF connector (2.0 mm pitch)	Tab assembly	( )T-JWPF-VSLE-S-W	2 / 3
	Receptacle assembly	( )R-JWPF-VSLE-S-W	2 / 3
PS connector	Housing	PS-250-G-WGJ2	1
		PS-250-WGT4	1
		PS-250-2A-15-WGT4	2
		PS-187-WGA1	1
		PS-187-2A-15-WGT4	2

Products molded by halogenated material
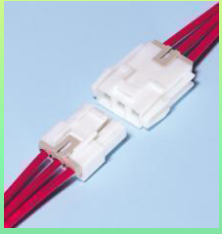
VL CONNECTOR	**NV CONNECTOR**	**WPJ CONNECTOR**	**YL CONNECTOR**
YLN CONNECTOR	**EL CONNECTOR**	**VH CONNECTOR**	**SDN CONNECTOR**
BNI CONNECTOR	**XA CONNECTOR**	**XAD CONNECTOR**	**EH CONNECTOR**
PA CONNECTOR	**JWPF CONNECTOR**	**PS CONNECTOR**	
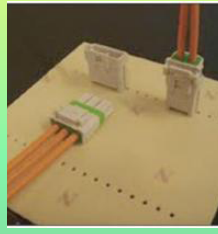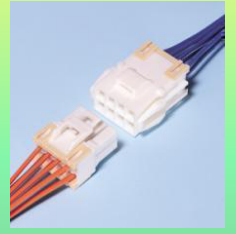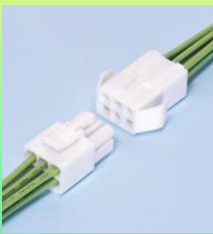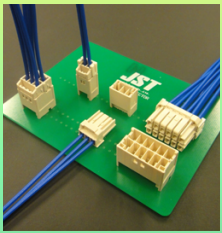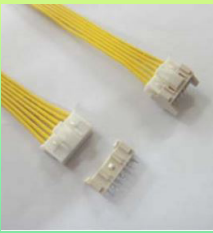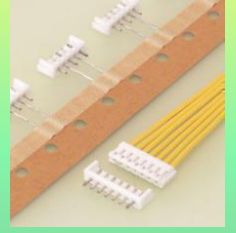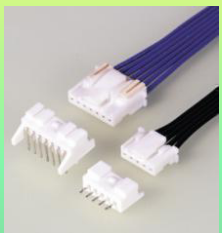
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