



ABLE INDUSTRIES

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SPECIFICATION OF PVC COMPOUNDS- WIRE & CABLES

Grade	Specific Gravity	Shore A	Tensile	Elongation (Min)	Loss of Mass	Volatile Loss 3 hours	Thermal Stability	VR X10 ¹³	Conform to Standards	Application
	±0.03	Hardness ±3	Strength (Min)	IS:10810	(Max) IS:10810	at 130°C (Max)	at 200°C (Min)	at 27°C (Min)		
	ASTM-D792	ASTM-D2240	IS:10810				IS:10810	ASTM D-257		
Unit		Shore A	N/mm ²	%	mg/cm ²	%	Minutes	Ohm-cm	Minutes	
AB-46LF	1.40	92	17	250	1.5	0.5	120	0.3	IS 5831	FR Heat Resistant Compound(85° C)
AB-47LF	1.38	92	18	250	1.5	0.5	130	0.3	UL 758	FR Heat Resistant Compound(90° C)
AB-48LF	1.35	92	18	250	1.4	0.4	130	0.3	UL 758	FR Heat Resistant Compound(105° C)
AB-AT/AR	1.36	45 (ShoreD)	25	100	1.6	0.7	90	0.4	Junction Box Compound
AB-AT60	1.40	90	16	250	1.5	0.4	90	5	JIS C3406	AV Wiring Harness
AB-AT61	1.35	92	17	200	1.2	0.3	90	7	JASO D611	AVSS Wiring Harness
AB-AT62	1.34	93	15	150	1.3	0.4	120	7	DIN/ISO6722 CLASSB	FLRY-B Wiring Harness
AB-AT63	1.35	93	19	230	1.3	0.4	120	8	DIN/ISO6722 CLASSB	FLRY-B Wiring Harness
AB-AT64	1.36	90	15.5	200	1.4	0.5	120	7	JASO D611	HR Automotive Wiring Harness
AB-AT65	1.48	90	12	200	1.7	0.8	80	...	SAE J 1127	Battery cable SGT Insulation
AB-V1	1.32	80	15	325	--	--	100	...	VTZ	Vinyl Tube-Transparent
AB-V2	1.35	80	12	250	--	--	60	...	VTZ	Vinyl Tube-Transparent
AB-V3LF	1.48	85	16	350	--	--	100	...	JIS K 6771	Vinyl Tube-VTB
AB-V4LF	1.52	88	16	250	--	--	60	...	VTB	Vinyl Tube-VTB
AB-V5LF	1.44	80	15	250	--	--	40	...	JISK 6771	Vinyl Tube
AB-HW1	1.40	88	17	275	1.3	0.7	80	--	IS 694	General Purpose House Wiring(Glossy)
AB-HW2	1.45	88	17	250	1.7	0.7	80	--	IS 694	General Purpose House Wiring(Glossy)
AB-HW3	1.47	89	18	250	1.7	0.7	80	--	IS 694	General Purpose House Wiring(Mat Finish)
AB-SC1	1.31	88	21	250	1.3	0.4	155	10	IS 5831	Skimming Compound
AB-SC2	1.35	88	20	275	1.4	0.4	120	8	IS 5831	Skimming Compound
AB-E11	1.40	90	18	275	1.3	0.4	90	...	JISK 6723	General Purpose L/F Insulation-Electronics
AB-E12	1.48	85	14	275	1.5	0.6	50	...	JISK 6723	General Purpose L/F Insulation-Electronics
AB-E HR	1.50	85	15	275	1.5	0.6	80	...	IS 5831	HR Sheathing General purpose
AB-ES1	1.45	85	13	275	1.5	0.5	40	...	IS 5831	General Purpose L/F Sheathing-Electronics
AB-ES2	1.48	80	15	250	1.5	0.6	40	...	IS 5831	General Purpose L/F Sheathing-Electronics
AB-EP	1.46	85	15	250	1.5	0.7	60	--	IS 1293	Two Pin/Three Pin Plug Moulding
AB-SP	1.34	93	20	250	1.2	0.3	110	0.5	IS 8783 Part-2:1995	Winding Wire of Submersible Pumps
ABAOR	1.40	90	17	250	1.4	0.5	110	0.4	IS 5831	Insulation(Type-A) and Oil Resistant(70° C)

REMARKS Test values are in granules.

The aforesaid Product are RoHS compliant as mark LF

FRLS COMPOUND: Smoke Density- 58%(Max) , L.O.I- 30.0%(Min), HCL- 18%(Max) & T.I-280° C.(Min.)

FR COMPOUND: L.O.I - 30% (Min) & T.I. - 280° C.(Min.)

The above properties are indicative and represent the values as tested in our Laboratories.PI. refer to our testing policies, tolerances and parametrs.