

**Constructional and Electrical Performance Data**  
**6491LSZH – Low Smoke Zero Halogen Conduit Wiring Cable**



**AEI Cables Limited**

<b>Construction</b>	Stranded annealed copper conductors, Low Smoke Zero Halogen (LSZH) insulation.		
<b>Specification</b>	BS7211 Table 3a	<b>Voltage Rating</b>	0.45/0.75 kV
<b>Operating Temperature</b>	0°C (Min) to 90°C (Max)		
<b>Standard Colours</b>	Red, Blue, Black & Green/Yellow (Harmonised), Yellow (Non-harmonised)		
<b>Harmonised Code</b>	H07Z-U (Solid conductor) & H07Z-R (Stranded conductor)		
<b>Approvals</b>	BASEC Schedule No. 024/001/179 (1.50mm <sup>2</sup> - 95.00mm <sup>2</sup> )		

No. of cores & Nominal Cross Sectional Area of Conductor	Current Rating*		Voltage Drop*			Maximum DC Conductor Resistance @ 20°C	Nominal Overall Diameter	Nominal Weight	AEI Product Code
	2 Cables Single Phase ac or dc	3 or 4 Cables Three Phase ac	2 Cables dc	2 Cables Single Phase ac or dc	3 Cables Three Phase ac				
no x mm <sup>2</sup>	Amps	Amps	mV/A/M	mV/A/M	mV/A/M	Ω/Km	mm	Kg/Km	
1 x 1.50	22.00	19.00	31.00	31.00	27.00	12.10	3.00	22.00	114-001
1 x 2.50	30.00	26.00	19.00	19.00	16.00	7.41	3.60	34.00	114-002
1 x 4.00	40.00	35.00	12.00	12.00	10.00	4.61	4.10	50.00	114-003
1 x 6.00	51.00	45.00	7.90	7.90	6.80	3.08	4.70	70.00	114-004
1 x 10.00	71.00	63.00	4.70	4.70	4.00	1.83	5.80	114.00	114-005
1 x 16.00	95.00	85.00	2.90	2.90	2.50	1.15	6.80	173.00	114-006
1 x 25.00	126.00	111.00	1.85	1.90	1.65	0.727	8.60	272.00	114-007
1 x 35.00	156.00	138.00	1.35	1.35	1.15	0.524	10.20	377.00	114-008
1 x 50.00	189.00	168.00	0.99	1.05	0.90	0.387	11.90	509.00	114-009
1 x 70.00	240.00	214.00	0.68	0.75	0.65	0.268	12.80	697.00	114-010
1 x 95.00	290.00	259.00	0.49	0.58	0.50	0.193	15.00	961.00	114-011
1 x 120.00	336.00	299.00	0.39	0.48	0.42	0.153	16.60	1203.00	114-012
1 x 150.00	375.00	328.00	0.32	0.43	0.37	0.124	18.50	1510.00	114-013
1 x 185.00	426.00	370.00	0.25	0.37	0.32	0.0991	20.80	1875.00	114-014
1 x 240.00	500.00	433.00	0.19	0.33	0.29	0.0754	25.40	2451.00	-
1 x 300.00	573.00	493.00	0.155	0.31	0.27	0.0601	28.10	3031.00	114-056
1 x 400.00	683.00	584.00	0.120	0.29	0.25	0.0470	31.60	3898.00	114-017
1 x 500.00#	783.00	666.00	0.093	0.28	0.24	0.0366	35.20	4894.00	-
1 x 630.00#	900.00	764.00	0.072	0.27	0.23	0.0283	39.10	6244.00	-

\* The current ratings and voltage drop factors are extracted from Appendix 4 of BS7671, Requirements for Electrical Installations: IEE Wiring Regulations Sixteenth Edition, table 4E1A, for cables installed "Enclosed in conduit on a wall or in trunking" Reference Method 3.

# National Type.

**General Note**  
 AEI Cables reserves the right to amend the product information without notice or liability.  
 The information is considered accurate at the time of going to print.

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