

**Constructional and Electrical Performance Data**  
**0361TQ – Welding Cable**



**AEI Cables Limited**

<b>Construction</b>	Flexible tinned annealed copper conductors, Ethylene Propylene Rubber (EPR) / Chlorosulphonated Polyethylene (CSP) composite insulation.		
<b>Specification</b>	BS638 Part 4 Section 3	<b>Voltage Rating</b>	100V (ac) or 150V (dc) - Exposed 450V (ac) or 650V (dc) - Protected
<b>Operating Temperature</b>	0°C (Min) to 85°C (Max)		
<b>Standard Colours</b>	Orange		
<b>Harmonised Code</b>	National Type		
<b>Approvals</b>	None		

No. of cores & Nominal Cross Sectional Area of Conductor	Maximum Duty Cycle (5 min)			DC Voltage Drop per 100 Amps per 10 mtrs of cable		Maximum DC Conductor Resistance @ 20°C	Nominal Overall Diameter	Nominal Weight	AEI Product Code
	100%	60%	30%	20°C	85°C				
no x mm <sup>2</sup>	Amps	Amps	Amps	mV/A/M	mV/A/M	Ω/Km	mm	Kg/Km	
1 x 16.00	135.00	175.00	230.00	1.240	1.560	1.24	9.20	199.00	124-150
1 x 25.00	180.00	230.00	300.00	0.795	0.998	0.795	10.80	284.00	124-151
1 x 35.00	225.00	290.00	375.00	0.565	0.709	0.565	12.60	390.00	124-152
1 x 50.00	285.00	365.00	480.00	0.393	0.493	0.393	13.60	525.00	124-153
1 x 70.00	355.00	460.00	600.00	0.277	0.348	0.277	16.30	734.00	124-154
1 x 95.00	430.00	560.00	730.00	0.210	0.264	0.210	18.00	980.00	124-155
1 x 120.00	500.00	650.00	850.00	0.164	0.206	0.164	21.40	1301.00	124-158
1 x 150.00	580.00	750.00	980.00	0.132	0.166	0.132	23.60	1622.00	124-168
1 x 185.00	665.00	860.00	1120.00	0.108	0.136	0.108	25.90	1994.00	124-209

\* The current rating and voltage drop factors are extracted from Appendix A of BS638 Part 4, Guide to use.

**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.

© AEI Cables Limited Durham Road, Birtley, Chester-le-Street, County Durham DH3 2RA

Telephone: +44 (0) 191 410 3111 Facsimile: +44 (0) 191 410 8312  
 Email: sales@aeicables.co.uk or technical@aeicables.co.uk  
 Website: www.aeicables.co.uk



A subsidiary of TT electronics plc