



# 0361TQ Orange Welding Cable



## APPLICATION

This range of cables are designed as highly flexible voltage leads, primarily for the secondary high current connection to automatic or hand held metal arc welding electrodes.

Other application include earthing return leads

### Conductor

16mm<sup>2</sup> to 95mm<sup>2</sup>: Class 6 extra flexible tinned copper conductor according to BS EN 60228 (previously BS 6360)

120mm<sup>2</sup> and above: Class 5 flexible tinned copper conductor

**Separator** PET (Polyester Tape)

**Insulation** EPR (Ethylene Propylene Rubber) Type GP4 according to BS7655

**Sheath** HOFR (Heat and Oil Resistant and Flame Retardant)

**Voltage Rating** 100V (450V for non-welding applications if suitably protected from mechanical damage)

**Temperature Rating** Flexed: -20°C to +85°C

**Minimum Bending Radius** Flexed: 6 x overall diameter

**Sheath Colour** Orange

**Standards** BS 638 Part 4\*, BS EN/IEC 60332-1-2

Current Carrying Capacity NOMINAL CROSS-SECTIONAL AREA mm<sup>2</sup>

CURRENT RATING FOR SINGLE CYCLE OPERATION OVER A MAXIMUM PERIOD OF 5 MINUTES

mm <sup>2</sup>	Amps			
	100%	85%	60%	35%
16	135	145	175	230
25	180	195	230	300
35	225	245	290	375
50	285	305	365	480
70	355	385	460	600
95	430	470	560	730
120	500	540	650	850
150	580	630	750	980
185	665	720	860	1120
240	780	850	975	1250

The above table is in accordance with Table A.5 of BS 638 part 4

Ambient Air Temperature: 25°C

Maximum Conductor Temperature: 85°C

DE-RATING FACTORS

AMBIENT TEMPERATURE	25°C	30°C	35°C	40°C	45°C
DE-RATING FACTOR	1.0	0.96	0.91	0.8	0.82



WORLDWIDE CABLE SOLUTIONS