



## Data Sheet – TQ Copper Tube Terminals (uninsulated lugs)

**Product description** – Made from 99.5% pure copper tube and performance tested in accordance with BS EN 61238 passing both mechanical and electrical tests (class A). Our “TQ” copper tube terminals form part of a complete crimping system which ensures compliance when crimped using SWA issued hexagonal dies and a correctly calibrated tool.



### Features:

- Manufactured from 99.5% pure copper tube to BS EN 12449 with an electro tin plated finish to BS 1872.
- All terminals have an inspection window and flared entry for easy installation.
- Cable and stud hole size marked on palm to help ensure correct selection of tool and dies.
- Supplied in sealed SWA branded bags to ensure quality & traceability.

### Technical Data

SWA TQ's terminals have been third party tested by Dekra to ensure they comply to the performance standard BS EN 61238-1 class A Crimp using SWA issued dies and a calibrated crimping tool to ensure safety and compliance.

Typical results are detailed below, please note that these testing values are maximums and safety factors appropriate to your application should be used:

TEST CATEGORIES	BS EN 61238-1 Clause	CLASSIFICATION	TEST	RESULT
Heat cycle test	6.3	n/a	1000 heat cycles	PASS
Short circuit test	6.3.4	Class A	25kA for 1 second	PASS
Mechanical test	7.1	n/a	Tensile force 60k N for 1 min	PASS
COMPOSITION	MATERIAL			
Main body	99.5 % pure copper tube BS EN 12449			
Finish	Electro tin plate to BS 1872			





Cond Size mm Strand / Flex	Part No	Pk Qty	Stud Hole	Dimensions in mm							
				A	B	W	E	F	D	L	T
10 / 10	10-5TQ	50	M5	6.9	4.4	11	5.9	5.1	9	27	2
	10-6TQ	50	M6	6.9	4.4	11	5.9	5.1	9	27	2
	10-8TQ	50	M8	6.9	4.4	14	9.75	8.25	11	35	1.6
	10-10TQ	50	M10	6.9	4.4	16	12	10	10	39	1.5
	10-12TQ	50	M12	6.9	4.4	18	12	10	10	39	1.3
16 / 16	16-6TQ	10	M5	8	5.6	11	5.9	5.1	11	29.5	2.2
	16-6TQ	10	M6	8	5.6	11	5.9	5.1	11	29.5	2.2
	16-8TQ	10	M8	8	5.6	14	9.75	8.25	11	38	1.7
	16-10TQ	10	M10	8	5.6	16	12	10	11	42	1.5
	16-12TQ	10	M12	8	5.6	18	12	10	11	42	1.3
25 / 25	25-5TQ	10	M5	9.5	7	13.5	9.75	8.25	13	40	2.4
	25-6TQ	10	M6	9.5	7	13.5	9.75	8.25	13	40	2.4
	25-8TQ	10	M8	9.5	7	13.5	9.75	8.25	13	40	2.4
	25-10TQ	10	M10	9.5	7	16	12	10	13	44	2
	25-12TQ	10	M12	9.5	7	18	12	10	13	44	1.8
35 / 35	35-6TQ	10	M6	11	8.2	15.5	9.75	8.25	14	41	2.8
	35-8TQ	10	M8	11	8.2	15.5	9.75	8.25	14	41	2.8
	35-10TQ	10	M10	11	8.2	15.5	12	10	14	45	2.8
	35-12TQ	10	M12	11	8.2	18	12	10	14	45	2.2
	35-14TQ	10	M14	11	8.2	20	12	10	14	45	2
	35-16TQ	10	M16	11	8.2	20	12	10	14	45	2



Cond	Part No	Pk Qty	Stud Hole	Dimensions in mm			E	F	D	L	T
50 / 50	50-6TQ	10	M6	12.1	9.45	17.2	9.75	8.25	18	46	2.4
	50-8TQ	10	M8	12.1	9.45	17.2	9.75	8.25	18	46	2.4
	50-10TQ	10	M10	12.1	9.45	17.2	12	10	18	46	2.4
	50-12TQ	10	M12	12.1	9.45	17.2	12	10	18	46	2.4
	50-14TQ	10	M14	12.1	9.45	20	15	12	18	46	1.9
	50-16TQ	10	M16	12.1	9.45	20	15	12	18	46	1.7
70 / 70	70-6TQ	10	M6	15	11.2	21.2	9.75	8.25	18	46	3.5
	70-8TQ	10	M8	15	11.2	21.2	9.75	8.25	18	46	3.5
	70-10TQ	10	M10	15	11.2	21.2	12	10	18	50	3.5
	70-12TQ	10	M12	15	11.2	21.2	12	10	18	50	3.5
	70-14TQ	10	M14	15	11.2	21.2	16.5	16.5	18	55	3.5
	70-16TQ	10	M16	15	11.2	21.2	16.5	16.5	18	55	3.5
95 / 95	95-6TQ	10	M6	17	13.5	24.3	12	10	24	58	3.5
	95-8TQ	10	M8	17	13.5	24.3	12	10	24	58	3.5
	95-10TQ	10	M10	17	13.5	24.3	12	10	24	58	3.5
	95-12TQ	10	M12	17	13.5	24.3	12	10	24	52	3.5
	95-14TQ	10	M14	17	13.5	21.2	12	10	24	52	3.5
	95-16TQ	10	M16	17	13.5	21.2	12	10	24	52	3.5
120 / 120	120-8TQ	10	M6	19	15	27.2	16.5	16.5	27	73	4
	120-10TQ	10	M8	19	15	27.2	16.5	16.5	27	73	4
	120-12TQ	10	M10	19	15	27.2	16.5	16.5	27	73	4
	120-14TQ	10	M12	19	15	27.2	16.5	16.5	27	73	4
	120-16TQ	10	M14	19	15	27.2	16.5	16.5	27	73	4
	120-20TQ	10	M16	19	15	27.2	16.5	18.5	27	75	4



Cond	Part No	Pk Qty	Stud Hole	Dimensions in mm			E	F	D	L	T
150 / 150	150-8TQ	10	M8	21	16.5	30	16.5	16.5	27	78	4
	150-10TQ	10	M10	21	16.5	30	16.5	16.5	27	78	4.5
	150-12TQ	10	M12	21	16.5	30	16.5	16.5	27	78	4.5
	150-14TQ	10	M14	21	16.5	30	16.5	16.5	27	78	4.5
	150-16TQ	10	M16	21	16.5	30	16.5	16.5	27	78	4.5
	150-20TQ	10	M20	21	16.5	30	18.75	14.25	27	78	4.5
185 / -	185-10TQ	10	M10	23	18.5	33.5	16.5	16.5	30	82	4.5
	185-12TQ	10	M12	23	18.5	33.5	16.5	16.5	30	82	4.5
	185-14TQ	10	M14	23	18.5	33.5	16.5	16.5	30	82	4.5
	185-16TQ	10	M16	23	18.5	33.5	16.5	16.5	30	82	4.5
	185-20TQ	10	M20	23	18.5	33.5	18.75	14.25	30	82	4.5
240 / -	240-10TQ	5	M10	26	21	37.7	18	17	32	88	5
	240-12TQ	5	M12	26	21	37.7	18	17	32	88	5
	240-14TQ	5	M14	26	21	37.7	18	17	32	88	5
	240-16TQ	5	M16	26	21	37.7	18	17	32	88	5
	240-20TQ	5	M20	26	21	37.7	18	17	32	88	5
300 / -	300-10TQ	5	M10	19	23	41	18	17	37	97	5
	300-12TQ	5	M12	19	23	41	18	17	37	97	5
	300-14TQ	5	M14	19	23	41	18	17	37	97	5
	300-16TQ	5	M16	19	23	41	18	17	37	97	5
	300-20TQ	5	M20	19	23	41	18	17	37	97	5



Cond	Part No	Pk Qty	Stud Hole	Dimensions in mm			E	F	D	L	T
400 / -	400-10TQ	5	M10	32	27	47.3	25	25	38	113	5
	400-12TQ	5	M12	32	27	47.3	25	25	38	113	5
	400-14TQ	5	M14	32	27	47.3	25	25	38	113	5
	400-16TQ	5	M16	32	27	47.3	25	25	38	113	5
	400-20TQ	5	M18	32	27	47.3	25	25	38	113	5
500 / -	500-12TQ	2	M12	38.1	30	55	29	25	44	127	8.2
	500-14TQ	2	M14	38.1	30	55	29	25	44	127	8.2
	500-16TQ	2	M16	38.1	30	55	29	25	44	127	8.2
	500-20TQ	2	M20	38.1	30	55	29	25	44	127	8.2
630 / -	630-12TQ	2	M12	44	33.8	63	25	23	46	127	10.2
	630-14TQ	2	M14	44	33.8	63	25	23	46	127	10.2
	630-16TQ	2	M16	44	33.8	63	25	23	46	127	10.2
	630-20TQ	2	M20	44	33.8	63	25	23	46	127	10.2

\* Denotes chamfered cable entry

