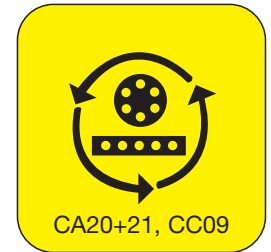
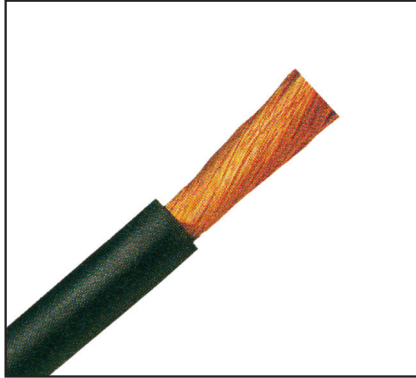


SUPER WELDING CABLES

TO SPECIFICATIONS SABS – VDE – BS – NOMINAL VOLTAGE UP TO 1000 V



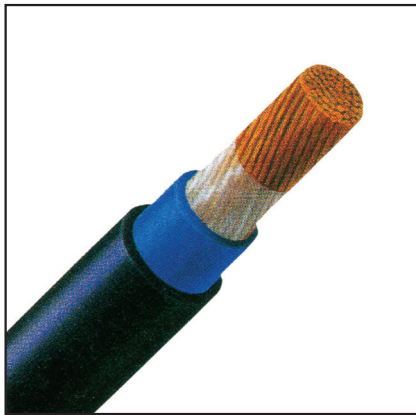
RUGGED WELDING CONDITIONS



CONSTRUCTION OF **TYPE TW** TO VDE 0282

Extra fine wire stranding of plain copper, synthetic film or fibre separator, PCP sheath, oil and flame resistant to VDE 0472, working voltage 100 V, test voltage 2000 V, max. conductor temperature 85 °C.

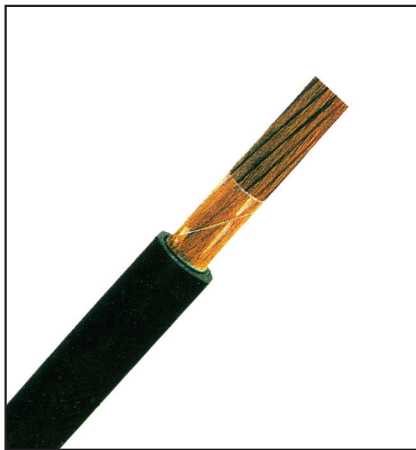
Core cross Section mm ²	Colour	Nominal number of strands x Ø mm	Radial thickness of insulation mm	Diameter in mm (max)	Copper weight kg/km	Mass kg/km
10	black	320 x 0,21	2,0	9,5	96,0	171
16	black	510 x 0,21	2,0	11,5	154,0	198
25	black	760 x 0,21	2,0	13,0	240,0	305
35	black	1083 x 0,21	2,0	14,5	336,0	415
50	black	1517 x 0,21	2,2	17,0	480,0	555
70	black	2146 x 0,21	2,4	19,5	672,0	765
95	black	2223 x 0,21	2,6	22,0	912,0	1010
120	black	1665 x 0,31	2,8	24,0	1152,0	1262



CONSTRUCTION OF **TYPE TW-E** TO SANS 1576/93

Extra fine wire stranding of plain copper, synthetic film separator, elastomeric or CR sheath, oil-petrol-grease-flame resistant, working voltage 100 V, scan voltage 3000 V, max. conductor temp. 85 °C

Core cross Section mm ²	Colour	Nominal number of strands x Ø mm	Radial thickness of insulation mm	Diameter in mm (max)	Copper weight kg/km	Mass kg/km
16	green	490 x 0,21	2,0	11,5	154	240
25	blue	735 x 0,21	2,6	13,0	240	340
35	grey	1050 x 0,21	2,0	14,5	336	450
50	red	680 x 0,31	2,2	17,0	480	620
70	brown	935 x 0,31	2,4	19,5	672	830
95	yellow	1280 x 0,31	2,6	22,0	912	1130
*120	black	1614 x 0,31	2,8	24,0	1152	1310
*150	black	2080 x 0,31	3,0	27,0	1440	1609
*185	black	1450 x 0,41	3,2	29,0	1876	2200



CONSTRUCTION OF **TYPE TFXW** TO SANS 1574/1507

Extra fine wire stranding of plain copper, flexible grade PVC insulated and/or tightly bonded Nitrile sheath, 1000 V, test voltage 2000 V, max. conductor temperature 70 °C

Core cross Section mm ²	Colour	Nominal number of strands x Ø mm	Diameter in mm (max)	Copper weight kg/km	Mass kg/km
12	black	230 x 0,26	8,1	115	159
16	green	200 x 0,31	8,7	154	198
25	blue	308 x 0,31	9,9	240	300
35	grey	438 x 0,31	11,0	336	395
50	red	624 x 0,31	13,4	480	561
70	brown	893 x 0,31	15,4	672	790
95	yellow	672 x 0,41	18,6	912	1070
*120	black	860 x 0,41	21,2	1152	1370
*150	black	1152 x 0,41	24,4	1440	1793
*240	black	1824 x 0,41	32,5	2304	2756

POWERMITE CURRENT RATING TABLE FOR WELDING AT MAXIMUM DUTY CYCLE

Nominal area of copper conductor	Colour	100%	85%	60%	30%	20%
		A	A	A	A	A
12 mm ²	black	100	110	130	180	225
16 mm ²	green	135	145	175	245	300
25 mm ²	blue	180	195	230	330	395
35 mm ²	grey	225	245	290	410	500
50 mm ²	red	285	310	370	520	635
70 mm ²	brown	355	385	460	650	785
95 mm ²	yellow	430	470	560	790	965
*120 mm ²		500	540	650	910	1115
*150 mm ²		580	630	743	1047	1256
*185 mm ²		660	715	850	1200	1450

* Special applications only – normally two small cables of equal length in tandem.
If cable length exceeds 15 metres, check voltage drop to maintain correct welding currents.

For derating factors consult page 52

Above sizes may require minimum quantities. All quoted data is approximate and not binding