



TFOI (C) Cable Armoured 250V

Applications:	Marine applications including shipwiring and the petrochemical and process control industries. For instrumentation and communication systems
Conductor:	Plain compacted Stranded Copper in accordance with IEC60228, Class 2
Insulation:	XLPE (Crossed linked polyethylene)
Screen:	CAM
Armour:	Copper Wire Braid
Sheath:	LSZH (Low smoke, zero halogen)
Colour:	Grey
Core Identification:	1 pair: light blue, black (numbered) 1 triple: light blue, black, brown
Operating temperature:	Maximum 90°C
Voltage:	250v
Standards:	IEC60092-350 and IEC 60092-356, UL1581
Approvals:	ABS, Bureau Veritas & Lloyd's Register

0.75 sqmm Conductor

No of pairs	Conductor diameter mm	Insulation thickness mm	Diameter of braid armour mm	Sheath thickness mm	Nominal overall diameter mm	Conductor resistance OHMS/KM	Insulation resistance OHMS/KM	Weight kg/km	BATT Part No
1	1.11	0.5	0.2	1.0	8.3	26.0	1030	110	14249
2	1.11	0.5	0.2	1.1	9.5	26.0	1030	140	14251
3	1.11	0.5	0.2	1.2	12.6	26.0	1030	220	-
4	1.11	0.5	0.2	1.2	13.3	26.0	1030	250	-
7	1.11	0.5	0.3	1.3	16.3	26.0	1030	390	14252
8	1.11	0.5	0.3	1.4	17.4	26.0	1030	440	-
10	1.11	0.5	0.3	1.5	19.5	26.0	1030	530	-
12	1.11	0.5	0.3	1.5	20.2	26.0	1030	580	-
14	1.11	0.5	0.3	1.5	20.8	26.0	1030	630	-
16	1.11	0.5	0.3	1.6	22.4	26.0	1030	720	-
19	1.11	0.5	0.3	1.6	23.8	26.0	1030	810	-
24	1.11	0.5	0.3	1.7	27.0	26.0	1030	1000	-
30	1.11	0.5	0.3	1.8	29.3	26.0	1030	1190	-
37	1.11	0.5	0.3	1.9	31.3	26.0	1030	1390	-

1.0 sqmm Conductor

No of pairs	Conductor diameter mm	Insulation thickness mm	Diameter of braid armour mm	Sheath thickness mm	Nominal overall diameter mm	Conductor resistance OHMS/KM	Insulation resistance OHMS/KM	Weight kg/km	BATT Part No
1	1.29	0.5	0.2	1.1	8.9	19.2	920	120	-
2	1.29	0.5	0.2	1.1	9.9	19.2	920	160	-
3	1.29	0.5	0.2	1.2	13.4	19.2	920	250	-
4	1.29	0.5	0.3	1.3	14.8	19.2	920	330	-
7	1.29	0.5	0.3	1.4	17.5	19.2	920	460	-
8	1.29	0.5	0.3	1.4	18.5	19.2	920	510	-
10	1.29	0.5	0.3	1.5	20.7	19.2	920	610	-
12	1.29	0.5	0.3	1.5	21.5	19.2	920	680	-
14	1.29	0.5	0.3	1.6	22.4	19.2	920	760	-
16	1.29	0.5	0.3	1.6	23.9	19.2	920	840	-
19	1.29	0.5	0.3	1.7	25.6	19.2	920	970	-
24	1.29	0.5	0.3	1.8	29.1	19.2	920	1200	-
30	1.29	0.5	0.3	1.9	31.5	19.2	920	1430	-
37	1.29	0.5	0.3	2.0	33.7	19.2	920	1680	-



1.5sqmm Conductor

No of pairs	Conductor diameter mm	Insulation thickness mm	Diameter of braid armour mm	Sheath thickness mm	Nominal overall diameter mm	Conductor resistance OHMS/KM	Insulation resistance OHMS/KM	Weight kg/km	BATT Part No
1	1.59	0.6	0.2	1.1	9.9	12.8	900	150	14250
2	1.59	0.6	0.2	1.1	11.1	12.8	900	200	-
3	1.59	0.6	0.3	1.3	15.9	12.8	900	360	-
4	1.59	0.6	0.3	1.4	17.0	12.8	900	420	-
7	1.59	0.6	0.3	1.5	20.2	12.8	900	610	-
8	1.59	0.6	0.3	1.5	21.4	12.8	900	680	-
10	1.59	0.6	0.3	1.6	24.0	12.8	900	820	-
12	1.59	0.6	0.3	1.7	25.1	12.8	900	930	-
14	1.59	0.6	0.3	1.7	26.0	12.8	900	1020	-
16	1.59	0.6	0.3	1.8	28.0	12.8	900	1160	-
19	1.59	0.6	0.3	1.8	29.8	12.8	900	1320	-
24	1.59	0.6	0.3	2.0	34.1	12.8	900	1660	-
30	1.59	0.6	0.4	2.1	37.5	12.8	900	2080	-
37	1.59	0.6	0.4	2.2	40.1	12.8	900	2430	-

0.75 sqmm Conductor

No of triples	Conductor diameter mm	Insulation thickness mm	Diameter of braid armour mm	Sheath thickness mm	Nominal overall diameter mm	Conductor resistance OHMS/KM	Insulation resistance OHMS/KM	Weight kg/km	BATT Part No
1	1.11	0.5	0.2	1.1	8.9	19.2	1030	120	14242
2	1.11	0.5	0.2	1.2	12.8	19.2	1030	220	-
3	1.11	0.5	0.2	1.2	13.5	19.2	1030	260	-
4	1.11	0.5	0.3	1.3	15.4	19.2	1030	350	-
7	1.11	0.5	0.3	1.4	18.8	19.2	1030	510	-
8	1.11	0.5	0.3	1.5	20.2	19.2	1030	580	-
10	1.11	0.5	0.3	1.6	22.7	19.2	1030	710	-
12	1.11	0.5	0.3	1.6	23.8	19.2	1030	790	-
14	1.11	0.5	0.3	1.7	24.9	19.2	1030	880	-
16	1.11	0.5	0.3	1.7	26.3	19.2	1030	980	-
19	1.11	0.5	0.3	1.8	28.4	19.2	1030	1130	-
24	1.11	0.5	0.3	1.9	31.3	19.2	1030	1370	-
30	1.11	0.5	0.3	2.0	34.5	19.2	1030	1650	-
37	1.11	0.5	0.3	2.1	35.8	19.2	1030	1770	-