



Class 5 stranded copper conductor to EN60228 / XLPE insulated / PVC bedded / SWA (AWA single core) / PVC sheathed to IEC60502-1 0.6/1kV.

**Applications:** Suitable for the installation in potentially explosion hazard locations, e.g. petrol stations, petrochemical plants. In addition it offers excellent mechanical protection and crush resistance offering highly protected power transmission e.g. street lighting.

**Sheath colour:** Black

**Operating temperature:** -15° to +90°

**Colour code:**

- 1 core – Natural
- 2 core – Brown and Blue
- 3 core – Brown, Blue and Green/Yellow
- 4 core – Brown, Blue, Grey and Green/Yellow
- 5 core – Brown, Blue, Grey, Black and Green/Yellow

**Standards:** IEC60502

Flame retardant to IEC60332-1

**Designation:** R – XLPE insulation

V – PVC bedding

M – Steel wire armour

V – PVC sheath

-K – Flexible conductor

No of cores	Conductor size mm	Diameter overall mm	Volt drop V/A-km	Current rating in air 30°C AMPS	Current rating buried 20°C AMPS	Weight kg/km	BATT Part number
1	6	12.0	7.32	53	46	217	-
1	10	12.8	4.23	74	61	265	-
1	16	13.6	2.68	101	79	336	-
1	25	15.6	1.73	135	101	469	-
1	35	16.8	1.23	169	122	583	-
1	50	18.2	0.860	207	144	719	-
1	70	19.9	0.603	268	178	949	-
1	95	23.6	0.457	328	211	1353	-
1	120	25.6	0.357	383	240	1623	-
1	150	27.5	0.286	444	271	1933	-
1	185	29.7	0.235	510	304	2358	-
1	240	32.7	0.178	607	351	2967	-
2	1.5	13.1	34.0	26	26	314	-
2	2.5	14.0	20.4	36	34	362	-
2	4	14.9	12.7	49	44	423	-
2	6	16.5	8.45	63	56	533	-
2	10	17.9	4.89	86	73	658	-
2	16	19.4	3.10	115	95	750	-
3	1.5	13.6	34.0	26	26	343	-
3	2.5	14.5	20.4	36	34	398	55237
3	4	15.9	12.7	49	44	489	-
3	6	17.2	8.45	63	56	603	-
3	10	18.6	4.23	75	61	764	-
3	16	20.4	2.68	100	79	996	-



No of cores	Conductor size mm	Diameter overall mm	Volt drop V/A-km	Current rating in air 30°C AMPS	Current rating buried 20°C AMPS	Weight kg/km	BATT Part number
3	25	26.2	1.73	127	101	1740	-
3	35	29.2	1.23	158	122	2180	-
3	50	32.9	0.860	192	144	2800	-
4	1.5	14.5	29.5	23	22	383	-
4	2.5	15.4	17.7	32	29	452	-
4	4	16.9	11.0	42	37	558	-
4	6	18.0	7.32	54	46	692	-
4	10	19.8	4.23	75	61	892	-
4	16	23.4	2.68	100	79	1491	-
4	25	28.9	1.73	127	101	2100	-
4	35	31.7	1.23	158	122	2650	-
5	1.5	15.1	29.5	23	22	418	-
5	2.5	16.4	17.1	32	32	509	55238
5	4	17.8	11.0	42	42	628	-
5	6	19.4	7.32	54	54	769	-
5	10	23.1	4.23	75	75	1349	-
5	16	25.5	2.68	100	100	1766	-
5	35	31.0	1.73	127	127	2460	-
6	1.5	16.1	31.9	22	22	485	-
7	1.5	17.0	31.9	22	22	536	-
10	1.5	18.1	31.9	22	22	620	-
12	1.5	18.8	31.9	22	22	680	-
16	1.5	22.5	31.9	22	22	1112	-
19	1.5	23.2	31.9	22	22	1190	-
24	1.5	25.2	31.9	22	22	1373	-
27	1.5	26.4	31.9	22	22	1489	-
30	1.5	27.3	31.9	22	22	1574	-