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POWER CABLES AND OVERHEAD LINES 0.6/1 KV

ABC-BS

XLPE insulated bundled overhead line

Used for fixed installation as overhead power lines up to 1000 V inclusive. Not suitable for direct burial.

TECHNICAL DATA

Standard
BS 7870-5

Test Voltage
4 kV / 50 Hz

Rated Voltage
0.6/1 kV

Bending radius (min.)
18 x Ø of cable

Core identification
1, 2 resp. 3 raised longitudinal ribs on the surface of the cores. The surface of the neutral conductor is ribbed around the precimeter. In the case of five core bundles the surface of the protective core should be smooth.

Temperature range
Laying temperature: min. -20°C
Operating temperature: -30°C up to 80°C
Conductor temperature: max. 75°C
Short circuit temperature: max. 130°C

DESIGN



1. Aluminium conductor with increased breaking load, round stranded compressed (RM)
2. Core insulation (XLPE black, UV-resistant); 2 or 4 cores of equal cross section are stranded together in left-hand lay, additionaly 1 or 2 cores of reduced cross section can be co-stranded

Number of cores x nominal cross-section (mm²)	Max. conductor resistance (Ω/km)	Min. breaking load of conductor strand (kN)	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
2 x 16 RM	1.91	2.5	72	15.1	134
4 x 16 RM	1.91	2.5	72	18.2	268
2 x 25 RM	1.2	4.1	107	17.5	193
4 x 25 RM	1.2	4.1	107	21.0	386
2 x 35 RM	0.868	5.6	132	19.7	253
4 x 35 RM	0.868	5.6	132	23.7	506
4 x 35 + 25 RM/RM	0.868 / 1.2	5.6	132	23.7	603
2 x 50 RM	0.641	7.6	165	22.8	341
4 x 50 RM	0.641	7.6	165	27.4	681
4 x 50 + 25 RM/RM	0.641 / 1.2	7.6	165	27.5	778
2 x 70 RM	0.443	11	205	26.1	468
4 x 70 RM	0.443	11	205	31.4	935
2 x 95 RM	0.32	15.3	240	30.4	640
4 x 95 RM	0.32	15.3	240	36.6	1281
4 x 95 + 25 RM/RM	0.32 / 1.2	15.3	240	36.6	1378
5 x 95 RM	0.32	15.3	240	41.0	1602
4 x 120 RM	0.253	19.4	290	39.6	1572
2 x 150 RM	0.206	23.2	334	37.3	970

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

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