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Construction reference only. The factory standard label is not verified.
No compliance with BS 7850 or BS 7870-5 is asserted for the supplied cable.

0.6/1kV 架空绝缘电缆 (ABC CABLE)

0.6/1kV overhead insulated cable
(ABC CABLE)



架空配电用额定电压为 0.6 / 1kV 的聚合物绝缘架空导线 (BS 7850)
Polymeric insulated aerial bundled conductorsof rated voltage 0.6/1kV for overhead distribution(BS 7850)

空中集束电缆专为高架配电线路而设计。 所有导线由 1350 铝和 XLPE 绝缘制成。 相线和中性线芯左手集束放置一起。 可作为进行 1000 伏以下架空电力线路的固定安装。

The aerial bundled cables are designed for overhead distribution lines. All conductors made of aluminium 1350 and insulated with XLPE. Phase and neutral cores are laid up in a bundle with a left hand lay. It can be used for fixed installation as overhead power lines up to 1000V incl.

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构造 /Construction

导体 Conductor	导体应为 1350 铝导线，并为紧压的圆形绞合导体。 The conductors shall be of aluminium 1350 wires and are compacted circular stranded.
绝缘 Insulation	交联聚乙烯。1、2 和 3 线芯表面上凸起纵向肋条。50mm² 及以下中性芯的表面应具有至少 12 个肋条，50mm² 以上至少有 16 个肋条。在五个集束的情况下，保护芯的表面应光滑。 XLPE. 1, 2 and 3 raised longitudinal ribs on the surface of the cores. The surface of the neutral core should have at least 12 ribs for cross-sections up to 50 mm² and a minimum of 16 ribs for cores above 50 mm². In the case of five core bundles the surface of the protective core should be smooth.
装配 Assembly	2 个至 4 个等截面线芯在左手层中绞合在一起，另外 1 个或 2 个减小截面的芯可以共绞合 2 up to 4 cores of equal cross section are stranded together in left-hand lay, additionally 1 or 2 cores of reduced cross section can be co-stranded.

序号 No.	特性 Characteristic	单位 Units	规格 Nominal cross-sectional area of conductor mm²					
			25	35	50	70	95	120
1	导体根数 Nominal number of wire in conductor		7	7	19	19	19	19
2	导体结构 Conductor structure		7/2.18	7/2.56	7/2.97	19/2.2	19/2.56	19/2.88
3	导体形式 Form of conductors	mm	Stranded compacted circular 紧压					
4	导体绞合方向 Conductor direction		Right direction 右向					
5	导体直径 Diameter of conductor 一最小 minimum 一最大 maximum	mm mm	5.6 6.5	6.6 7.5	7.7 8.5	9.3 10.2	11.0 12.0	12.5 13.5
6	平均导体直径 Average conductor diameter	mm	5.9	7.0	8.3	10.0	11.6	13.0
7	最少绝缘平均厚度 Minimum average thickness of insulation	mm	1.3	1.3	1.5	1.5	1.7	1.7
8	绝缘最薄处厚度 Minimum thickness of insulation	mm	1.07	1.07	1.25	1.25	1.43	1.43
9	绝缘最大厚度 Maximum thickness of insulation 相线芯无凸脊处 phase core excluding ribs 中性线芯无凸脊处 neutral core including ribs	mm mm	2.1 2.3	2.1 2.3	2.1 2.3	2.1 2.3	2.1 2.3	2.1 2.3
10	线芯最大外径 Maximum diameter of core 相线芯无凸脊处 phase core excluding ribs 中性线芯无凸脊处 neutral core including ribs	mm mm	9.7 10.2	10.7 11.2	12.1 12.6	13.8 14.3	16.1 16.6	17.6 18.1
11	中性线芯标识 Neutral core identification 最少凸脊个数 number of ribs (min)		12	12	12	16	16	16
12	20℃导体最大直流电阻 Maxinmum d.c. resistance of conductor in bundle at 20℃	Ω/km	1.200	0.868	0.641	0.443	0.320	0.253
13	绝缘线芯千米重量 Insulated wire core kilometre weight	kg/km	104	137	193	149	343	427
14	拉断力 Ultimate tensile strength of conductor based on 170 N/mm²(calculated)	kN	4.1	5.6	7.6	11.0	15.3	19.4