NewTrend

0.6/1kV 架空绝缘电缆 (ABC CABLE)

0.6/1kV overhead insulated cable
(ABC CABLE)



自支撑低压 ABC 电缆 (法国标准)
Self-supporting LV-ABC Cables(Franch Standard)

XLPE 绝缘铝导线，标准 : NFC 33 – 209

Aluminium conductors with XLPE insulation,standards:NFC 33–209

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导体尺寸 /Dimensions of conductors

横截面 Cross section (mm²)	单丝股数 Stranded	直流电阻 DC resistance Ω/km	导体直径 Conductor diameter		绝缘平均厚度 Thickness of insulation (mm)	线芯直径 Core diameter		载流量 carrying capacity (A)	拉断力 Breaking load (kN)
			最小 Min.(mm)	最大 Max.(mm)		最小 Min.(mm)	最大 Max.(mm)		
16	7	1.91	4.6	5.1	1.2	7.0	7.8	–	1.9
25	7	1.20	5.8	6.3	1.4	8.6	9.4	112	3.0
35	7	0.868	6.8	7.3	1.6	10.0	10.9	138	–
50	7	0.641	7.9	8.4	1.6	11.1	12.0	168	–
70	12	0.443	9.7	10.2	1.8	13.3	14.2	213	–
95	19	0.320	11.0	12.0	1.8	14.6	15.7	258	–
120	19	0.253	12.0	13.1	1.8	15.6	16.7	306	–
150	19	0.206	13.9	15.0	1.7	17.3	18.6	344	–

中性导体的尺寸 /Dimensions of Neutral conductors

横截面 Cross section (mm²)	导体结构 Conductor structure No./mm	直流电阻 DC resistance Ω/km	导体方向 Conductor outer direction	导体直径 Conductor diameter		绝缘平均厚度 Thickness of insulation (mm)	绝缘线芯直径 Core diameter		拉断力 Breaking load (kN)
				最小 Min.(mm)	最大 Max.(mm)		最小 Min.(mm)	最大 Max.(mm)	
54.6	7/3.15	0.63	左向 left-hand	9.2	9.6	1.6	12.3	13.0	16.6
70	7/3.50	0.50		10.0	10.2	1.5	12.9	13.6	20.5
95	19/2.50	0.343		12.2	12.9	1.6	15.3	16.3	27.5

测试线 /Test line

横截面 Cross section (mm²)	单丝股数 Stranded	直流电阻 DC resistance Ω/km	导体方向 Conductor outer direction	导体直径 Conductor diameter		绝缘平均厚度 Thickness of insulation (mm)	绝缘线芯直径 Core diameter		拉断力 Breaking load (kN)
				最小 Min.(mm)	最大 Max.(mm)		最小 Min.(mm)	最大 Max.(mm)	
1.5	1	12.1	–	–	1.5	1.2	3.7	4.2	–

各电线组装成电线束。测试线预扭绞成线对。按下文的布置，黑体字印出并标注星号的组合为优选结构

Each wire is assembled into a wire harness. The test line is pre-twisted into pairs. According to the following arrangement, a combination of black characters printed with an asterisk is preferred.

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不含吊索中线的电线束 /Wire bundle without the midline of a sling

***2 x 16mm²**	***2x16mm²+2x1.5mm²**
***2 x 25mm²**	***2x25mm²+2x1.5mm²**
2 x 35mm²	2x35mm²+2x1.5mm²
2 x 50mm²	2x50mm²+2x1.5mm²
***4 x 16mm²**	***4 x16mm²+2x1.5mm²**
4 x 25mm²	***4 x25mm²+2x1.5mm²**
4 x 35mm²	4x35mm²+2x1.5mm²

含吊索中线的电线束 /Wire harness containing the middle line of a sling

1x54.6mm²+3x25mm²+Kx16mm²
***1x54.6mm²+3x35mm²+Kx16mm²**
1x54.6mm²+3x50mm²+Kx16mm²
1x54.6mm²+3x70mm²+Kx16mm²
1x54.6mm²+3x70mm²+Kx25mm²
***1x70mm²+3x70mm²+Kx16mm²**
1x70mm²+3x95mm²+Kx16mm²
1x70mm²+3x120mm²+Kx16mm²
***1x70mm²+3x120mm²+Kx16mm²**
1x95mm²+3x120mm²+Kx16mm²
1x95mm²+3x150mm²+Kx16mm²

K 表示公共照明线的数目，K 可等于 0、1、2 或 3。

K indicates the number of public lighting lines, and K can be equal to 0, 1, 2 or 3.

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电线的成缆绞距 /Cable spacing of wire

1	2	3	4
不含吊索中线的电线束 Wire bundle without the midline of a sling		含吊索中线的电线束 Wire harness containing the middle line of a sling	
电线截面 Wire area	最大绞距 Maximum stranded distance	相线截面 Phasearea	最小绞距 Minimum stranded distance
(mm^2)	(cm)	(mm^2)	(cm)
16	40	25	–
25	45	35	–
35	50	50	–
50	55	70	–
		95	–
		120	–
		150	115