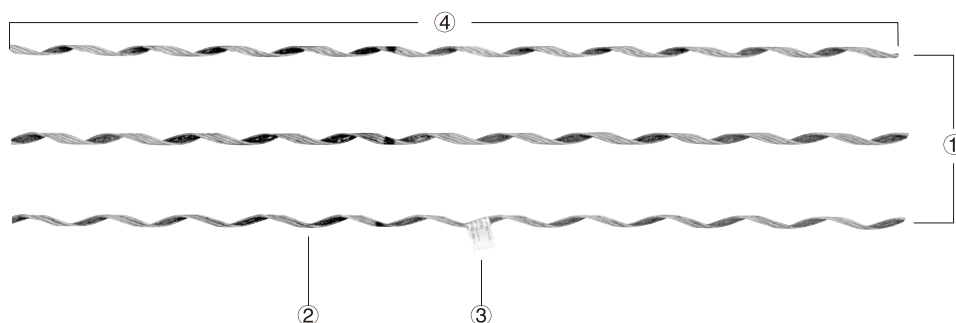


预绞式导线接续条 Preformed Conductor Armor Bar

1. 部件说明(图6-1) Component Explanation (Diagram 6-1)

图Diagram 6-1



①分组条:一般由2组、3组或4组预绞丝组成,内表面喷砂处理

②安装/识别标记:用不同的颜色区分产品型号,同时标记于产品中心作为安装标记以便于安装

③标签:标明产品型号及尺寸

④长度:详见选型表

① Grouping bar: In general, it composed of 2 groups, 3 groups or 4 groups Preformed bar, inside surface is blast sanding.

② Installation / identifying color code: Different color differentiate model, and markers is in the product center as the installation markers.

③ Label: Mark model and size.

④ Length: See model selection table.

2. 用途 Usage

预绞式导线接续条仅仅被设计作为单独的外接组件,用于高压线路(< 345kV)。

Preformed conductor splicing rod only design as separate external components, used for high-voltage lines (< 345kV)

3. 特点 Characteristics

1)对于单一材质的导线,例如:全铝、铝合金或铜导线,接续条可恢复100%的机械强度,而且在接续长度内能大大改善导线的导电性能;

2)对于钢芯铝绞线来说,导线接续条可以恢复铝导线100%的强度和10%的钢芯强度,同时安装导线接续条的范围内,导电性能大大提高;

3)公司还提供预绞式护线条、预绞式短护线条以及预绞式悬垂线夹等产品可以用于导线修复。

1) For single material wires, for example: the whole aluminum, aluminum alloy or copper wire, recover 100% of the mechanical strength, and the jointed length can greatly improve the conductivity; wire

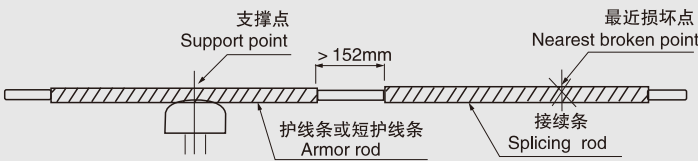
2) For ACSR Conductor, bars can be restored 100% of the strength of aluminum wire and 10% of the core strength, at the same time, the scope of installation, the electric conductivity greatly improved.

3) The company also provides preformed bars, preformed short bar and preformed suspension clamp which they can be used to repair conductor.

4.使用说明 Instruction

- 1)对于钢芯铝绞线来说，导线接续条可以恢复铝导线的强度，但不能恢复钢芯的强度，当钢芯有破坏的迹象时，可以选用全张力接续条；
- 2) 所有的导线，不管使用过与否，在安装导线接续条前必须将导线彻底清洁打磨去除氧化层直至露出光泽。在安装产品以前必须用高质量的、与导线相匹配的导线脂涂在导线表面；
- 3) 允许在导线接续条上进行搭接。在搭接夹片安装之前，导线必须彻底打磨涂上导电脂，同时接续条的外表面也必须彻底打磨去除可能出现的氧化层及胶，在接续条的搭接区域也需涂上导电脂；
- 4) 当接线条的中点和导线上的损坏点对齐安装时，接续条的尾端距已安装好的预绞式护线条或预绞式短护线条的尾端不能小于 152mm。只有导线的损坏点在支撑点或在最近损坏点之外，才可以采用这种接续条，并发挥接续条的上述维修功能(图6-2)；
- 5)预绞式导线接续条设计用于特定的场合并且只能使用一次。任何情况下都不要重复使用或修改产品。
- 1) For ACSR Conductor, splicing bars can be restored intensity of aluminum wire, but could not recover strength of steel core, when the steel core have indication of destruction, can choose whole strength armor bar.
- 2) All of the wires, used or not used, in the former, the conductor must thoroughly clean grinding, remove oxidation layer until exposing metal luster. Before installing the product, the wire table be besmeared conductor grease, conductor grease must be high quality, and matching wire.
- 3) Allow the wires on lap splicing bar. Before you install the lap piece wire must thoroughly burnish coated with conductive grease, meanwhile in the surface of splicing bar also must thoroughly remove possible oxygen of layer and glue, at the lap place also need besmear conductive grease.
- 4) When the midpoint and damaged point alignment of conductor align at the line, the distance from the end of splicing bar to preformed armor bar or the end of performed short armor, is not less 152mm. Only conductor damage points is outside of supporting point or in recent damage point, just can use this splicing bar and show in the above maintenance function (Diagram 6-2),
- 5) Design of preformed splicing bar use in the particular place and can only be used one time. Under any circumstances, do not reuse or modify products.

图Diagram 6-2



5.选型表 Selection table

表6-1预绞式导线接续条(铝绞线用)选型表 Table 6-1 Preformed Conductor Splicing Bar (suitable for AAAC Conductor) Selection Table

DL/T763-2001 标准型号 Standard No.	适用导线直径范围 Dia of Conductor (mm)		适用导线类型 (GB1179-83) Type of Conductor 铝绞线 AAAC conductor LJ	参考线夹长度 Length of Clamp (mm)	线夹重量 Weight of Clamp (kg)	色标 Color
	最小 Min.	最大 Max.				
JL-95/L	12.24	12.78	95	1168	0.42	橙 Orange
JL-120/L	13.83	14.40	120	1321	0.60	红 Red
JL-150/L	15.72	16.36	150	1702	1.05	黄 Yellow
JL-185/L	17.05	17.78	185	1778	1.23	橙 Orange
JL-210/L	18.53	19.30	210	2007	1.94	黑 Black
JL-240/L	19.31	20.12	240	2108	2.15	紫 Purple
JL-300/L	21.62	22.50	300	2515	2.79	橙 Orange
JL-400/L	25.61	26.67	400	3073	4.81	绿 Green
JL-500/L	27.72	30.05	500	3581	7.76	红 Red

注：表中型号中字母与数字意义：J-接续条；L-螺旋预绞式；数字-产品规格号；LJ-铝绞线。铝绞线全部受损，钢芯未破坏的钢芯铝绞线接续参考此表选用。
Note: The meaning of letter and number in the table: J- the splicing bar ; L- Spiral Performed; S - number -product type; LJ - AAAC conductor. AAAC Conductor is whole damage, the steel core

表6-2预绞式导线接续条(钢芯铝绞线用)选型表 Table 6-2 Preformed conductor (for aluminium conductor steel reinforced) model table

产品型号 Catalogue No.	适用导线直径范围 Dia of Conductor (mm)		适用导线类型 (GB1179-83) Suitable conductor type 钢芯铝绞线ACSR LGJ/LGJF	参考线夹长度 Reference length (mm)	线夹重量 Weigh (kg)	色标 Color
	最小Min.	最大Max.				
JXT-7106	4.50	4.67	10/2	530	0.05	紫Purple
JXT-7110	5.39	6.87	16/3	580	0.05	绿Green
JXT-7116	6.88	7.89	25/4	690	0.11	黄Yellow
JXT-7120	7.90	8.93	35/6	790	0.15	红Red
JXT-7123	8.94	9.32		860	0.17	绿Green
JXT-7124	9.33	10.51	50/8	970	0.25	黑Black
JXT-7127	10.52	11.27		1020	0.25	棕Brown
JXT-7129	11.28	12.23	50/30、70/10	1070	0.34	蓝Blue
JXT-7131	12.24	13.25		1169	0.42	橙Orange
JXT-7133	13.26	13.82	70/40、90/15	1300	0.60	黑Black
JXT-7134	13.83	14.40	95/20	1321	0.60	红Red
JXT-7135	14.41	15.71	120/7、120/20	550	0.87	蓝Blue
JXT-7137	15.72	16.36	95/55、120/25、150/8	1702	1.05	黄Yellow
JXT-7138	16.37	17.04	150/20	1750	1.20	棕Brown
JXT-7139	17.05	17.78	150/25、150/35	1778	1.23	橙Orange
JXT-7140	17.79	18.52	170/70、185/10	1960	1.88	绿Green
JXT-7141	18.53	19.30	185/25、185/30、210/10	2007	1.94	黑Black
JXT-7142	19.31	20.12	185/40、210/25	2108	2.15	紫Purple
JXT-7143	20.13	20.96	210/35、210/50	2130	2.18	红Red
JXT-7144	20.97	21.61	240/30	2180	2.20	蓝Blue
JXT-7145	21.62	22.50	240/40、240/55	2515	2.79	橙Orange
JXT-7146	22.51	23.60	300/15、300/20	2670	3.80	橙Orange
JXT-7147	23.61	24.59	300/25、300/40、300/50	2740	4.22	
JXT-7148	24.60	25.60	300/70	2820	4.42	黄Yellow
JXT-7149	25.61	26.67	400/25	3073	4.81	绿Green
JXT-7150	26.68	27.71	400/35、400/50	3230	5.40	黑Black
JXT-7151	27.72	28.87	400/65	3480	7.44	紫Purple
JXT-7152	28.88	30.05	400/95、500/35、500/45	3581	7.76	红Red
JXT-7153	30.06	34.37	500/65	3630	7.85	蓝Blue

注：钢芯铝绞线用预绞式导线接续条的原材料为铝合金。

表6-3预绞式导线接续条(钢芯铝绞线用)选型表(适用于500kV线路) Table 6-3 Preformed conductor (for ACSR) (500kV)

产品型号 Catalogue No.	适用导线直径范围 Dia of Conductor (mm)		适用导线类型 (GB1179-83) Suitable conductor type 钢芯铝绞线ACSR LGJ/LGJF	参考线夹长度 Reference length (mm)	线夹重量 Weigh (kg)	色标 Color
	最小Min.	最大Max.				
JXT-146	22.51	23.60	300/15、300/20	2670	3.80	橙 Orange
JXT-147	23.61	24.59	300/25、300/40、300/50	2740	4.22	
JXT-148	24.60	25.60	300/70	2820	4.42	黄Yellow
JXT-149	25.61	26.67	400/25	3073	4.81	绿Green
JXT-150	26.68	27.71	400/35、400/50	3230	5.40	黑Black
JXT-151	27.72	28.87	500/65	3480	7.44	紫 Purple
JXT-152	28.88	30.05	400/95、500/35、500/45	3581	7.76	红Red
JXT-153	30.06	34.37	500/65	3630	7.85	蓝Blue

导线接续管补强接续条 Reinforced Conductor Splice

导线接续管补强接续条是用来加强接续并且使接续强度超过导线的RBS。
Reinforced Conductor Splice is used to reinforce the splice and make its splice intensity more than the conductor's RBS.

表6-5导线接续管补强接续条选型表 Model table

产品型号 Product model	适用导线直径范围 Cable range(mm)		适用导线类型 Suitable conductor type(GB1179-83)			接续管最大长度 Ref clamp length (mm)	参考线夹长度 Reference length (mm)	线夹重量 Weight (kg)	
	最小Min.	最大Max.	钢芯铝绞线LGJ/LGJF ACSR	接续管类型 splicing sleeve type	铝绞线LJ Aluminum strand conductor				接续管类型 splicing sleeve type
BJL-131	12.24	12.78			95	JT-95L	280	1470	0.5
BJL-133	13.26	13.82	95/15	JT			690	2010	0.9
BJL-134	13.83	14.4	95/20	JT	120	JT-120L	690	2040	0.9
BJL-135	14.41	15.09	120/20	JY/JTB			430	2000	1.1
BJL-137	15.72	16.36	120/25	JY	150	JT/JY-150L	490	2060	1.2
BJL-138	16.37	17.04	150/20	JY/JTB			470	2250	1.5
BJL-139	17.05	17.78	150/25、150/35	JY/JTB	185	JT/JY-185L	530	2220	1.5
BJL-141	18.53	19.3	185/25、185/30	JY/JTB	210	JY-210L	540	2510	2.3
BJL-142	19.31	20.12	185/45、210/25	JY/JTB	240	JY-240L	570	2550	2.6
BJL-143	20.13	20.96	210/35、210/50	JY/JTB			600	2760	2.8
BJL-144	20.97	21.61	240/30	JY/JTB			570	2830	2.7
BJL-145	21.62	22.5	240/40、240/55	JY/JTB	300	JY-300L	640	3090	3.4
BJL-146	22.51	23.6	300/15、300/20	JY/JYD			580	3180	4.5
BJL-147	23.61	24.59	300/25、300/40、300/50	JY/JYD			660	3410	5.2
BJL-148	24.6	25.6	300/70	JY/JYD			720	3570	5.6
BJL-149	25.61	26.67	400/25	JY/JYD	400	JY-400L	660	3770	5.9
BJL-150	26.68	27.71	400/35、400/50	JY/JYD			730	4000	6.7
BJL-151	27.72	28.87	400/65	JY/JYD			760	4280	9.2
BJL-152	28.88	30.05	400/95、500/35、500/45	JY/JYD	500	JY-500L	830	4450	9.7

注:本表只列出部分产品。 Note: this table is simply listed some products.

表6-6导线接续管补强接续条选型表(适用于500kV线路) Model table (500kV)

产品型号 Product model	适用导线直径范围 Cable range(mm)		适用导线类型 Suitable conductor type(GB1179—83)				接续管最大长度 Ref clamp length (mm)	参考线夹长度 Reference length (mm)	线夹重量 Weight (kg)
	最小Min.	最大Max.	钢芯铝绞线LGJ/LGJF ACSR	接续管类型 splicing sleeve type	铝绞线LJ Aluminum strand conductor	接续管类型 splicing sleeve type			
BJL—146	22.51	23.60	300/15、300/20	JY/JYD			580	3180	4.5
BJL—147	23.61	24.59	300/25、300/40、300/50	JY/JYD			660	3410	5.2
BJL—148	24.60	25.60	300/70	JY/JYD			720	3570	5.6
BJL—149	25.61	26.67	400/25	JY/JYD	400	JY—400L	660	3770	5.9
BJL—150	26.68	27.71	400/35、400/50	JY/JYD			730	4000	6.7
BJL—151	27.72	28.87	400/65	JY/JYD			760	4280	9.2
BJL—152	28.88	30.05	400/95、500/35、500/45	JY/JYD	500	JY—500L	830	4460	9.7