

预绞式护线条 Preformed Armor Rod

1.用途与结构 Purpose and Structure

预绞式护线条用来保护导线免受振动、线夹压应力、磨擦、电弧和一切外来的其它损伤。预绞式短护线条在导线振动不严重的情况下，可在较短跨距的线路上保护导线不受电弧、磨擦或其它损伤。它们也可作为修补条，用来修补已受到损伤的导线，使它恢复原来的机械强度及导电性。还可用来保护分支线条，使导线分支点上避免受到由于电弧和磨擦所引起的损伤。

预绞式护线条和预绞式短护线条的结构简单，一组预绞丝形成空管，包裹导线时产生握紧力，从而保护导线。

Preformed armor rod used to protect conductor against vibration, wire clip compressive stress, friction, arc and all other outside damage. When the vibration is not serious, short preformed armor rod can protect conductor against arc, rub or other damage in short span of line. It is used to repair the damaged conductor as the repair wire. It restores original mechanical strength and electrical conductivity, and also can use to protect branch line, make wire branch point avoid damage from arc and friction.

Preformed armor rod and short preformed armor rod have the simple structure, a group stranded wire form throughway pipe, and bundle produce by the clenched force, thus protecting wires.

图5-1预绞式护线条 Diagram 5-1 Preformed Armor

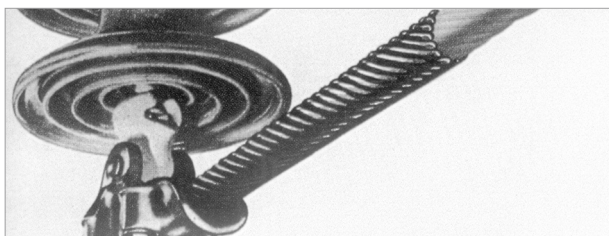


图5-2预绞式短护线条 Diagram 5-2 Short preformed Armor



2.特点 Characteristics

- 1)磨损小:由于护线条和短护线条紧握导线，避免了导线滑移，因而可以把导线的磨损减至最小；
- 2)防松动:由于预绞丝具有握紧弹性，可保证长期不松动；
- 3)耐腐蚀性好:线条经过防锈处理，从而保证较强的耐腐蚀性；
- 4)安装简单:无需任何专用工具，徒手就可快捷简便地现场安装，一个人即可完成；
- 5)安装质量易于保证:不需专门训练，肉眼可进行检验，外观简洁美观；
- 6)通用性能强:可与多种金具配套使用。

- 1) Low wear: Due to the substantial bar and short substantial clench conductor, the wire is hard to slip, the wear will be minimum.
- 2) Prevent loosening: The preformed has holding elasticity, it ensure it not loose in long time;
- 3) Good corrosion-resistance Characteristics: After antirust processing, the wire ensuring the strong corrosion resistance;
- 4) Easy Installation: no special tools, the hand can install quick and easy in locale, one person can finish;
- 5) Installation quality assurance: No need the special training; it can be inspected by naked eye. The appearance is concise and beautiful.
- 6) Good commonality: match with various hardware.

3.接续说明 Jointing explanation

- 1)当钢芯铝绞线最外层铝线及铝线导线中最外层铝线有小于25%的线条发生破断时，可采用预绞式短护线条修复，可恢复100%的机械和电气性能；
- 2)当钢芯铝绞线最外层铝线及铝线导线中最外层铝线有25%~50%的线条发生破断时，可采用预绞式护线条修复，可恢复100%的机械和电气性能；
- 1) When the outermost aluminum wire of ACSR Conductor and the outermost Al wire of Al conductor have less than 25% line happen breakage, it can be repaired by short performed armor rod, the conductor restore 100% of the machinery and electrical properties.
- 2) When the outermost aluminum wire of ACSR Conductor and the outermost Al wire of Al conductor have 25%~50%line happen breakage, it can be repaired by short performed armor rod, the conductor restore 100% of the machinery and electrical properties.

4.选型表 Selection Table

表5-1 预交丝护线条 Table 5-1 Preformed Armor Rod

DL/T763-2001 标准型号 Standard type	型号 Catalogue No.	适用导线 Conductor	主要尺寸 Size (mm)			每组根数 PCS per set	重量 (kg) Weight
			D	d	L		
HL-95/15	FYH-95/15	LGJ-95/15	3.6	11.4	1400	13	0.5
HL-95/20	FYH-95/20	LGJ-95/20	3.6	11.4	1400	13	0.5
HL-95/55	FYH-95/55	LGJ-95/55	3.6	13.3	1500	16	0.6
HL-120/7	FYH-120/7	LGJ-120/7	3.6	12.0	1400	14	0.6
HL-120/20	FYH-120/20	LGJ-120/20	3.6	12.5	1400	14	0.6
HL-120/25	FYH-120/25	LGJ-120/25	3.6	13.0	1400	14	0.6
HL-120/70	FYH-120/70	LGJ-120/70	4.6	14.9	1800	14	0.8
HL-150/8	FYH-150/8	LGJ-150/8	3.6	13.3	1500	16	0.6
HL-150/20	FYH-150/20	LGJ-150/20	3.6	14.7	1500	16	0.7
HL-150/25	FYH-150/25	LGJ-150/25	3.6	14.2	1500	16	0.7
HL-150/35	FYH-150/35	LGJ-150/35	3.6	14.5	1500	16	0.7
HL-185/10	FYH-185/10	LGJ-185/10	4.6	14.9	1800	14	1.2
HL-185/25	FYH-185/25	LGJ-185/25	4.6	15.7	1800	14	1.3
HL-185/30	FYH-185/30	LGJ-185/30	4.6	15.7	1800	14	1.3
HL-185/45	FYH-185/45	LGJ-185/45	4.6	16.3	1800	14	1.3
HL-210/10	FYH-210/10	LGJ-210/10	4.6	15.9	1800	14	1.3
HL-210/25	FYH-210/25	LGJ-210/25	4.6	16.6	1800	14	1.3
HL-210/35	FYH-210/35	LGJ-210/35	4.6	16.9	1800	14	1.3
HL-210/50	FYH-210/50	LGJ-210/50	4.6	17.3	1800	14	1.3
HL-240/30	FYH-240/30	LGJ-240/30	4.6	17.9	1900	16	1.4
HL-240/40	FYH-240/40	LGJ-240/40	4.6	17.9	1900	16	1.4
HL-240/55	FYH-240/55	LGJ-240/55	4.6	18.6	1900	16	1.4
HL-300/15	FYH-300/15	LGJ-300/15	6.3	19.1	2000	13	2.3
HL-300/20	FYH-300/20	LGJ-300/20	6.3	19.4	2000	13	2.3
HL-300/25	FYH-300/25	LGJ-300/25	6.3	19.7	2000	13	2.3
HL-300/40	FYH-300/40	LGJ-300/40	6.3	19.9	2000	13	2.3
HL-300/50	FYH-300/50	LGJ-300/50	6.3	20.1	2000	13	2.3
HL-300/70	FYH-300/70	LGJ-300/70	6.3	20.9	2000	13	2.3
HL-400/20	FYH-400/20	LGJ-400/20	6.3	22.3	2200	14	2.8
HL-400/25	FYH-400/25	LGJ-400/25	6.3	22.1	2200	14	2.8
HL-400/35	FYH-400/35	LGJ-400/35	6.3	22.3	2200	14	2.8
HL-400/50	FYH-400/50	LGJ-400/50	6.3	23.0	2200	14	2.8
HL-400/65	FYH-400/65	LGJ-400/65	6.3	23.2	2200	14	2.8
HL-400/95	FYH-400/95	LGJ-400/95	6.3	24.8	2200	14	2.8
HL-500/35	FYH-500/35	LGJ-500/35	6.3	24.9	2500	16	3.5
HL-500/45	FYH-500/45	LGJ-500/45	6.3	24.9	2500	16	3.5
HL-500/65	FYH-500/65	LGJ-500/65	6.3	25.7	2500	16	3.5
HL-630/45	FYH-630/45	LGJ-630/45	7.8	27.9	2500	15	5.3
HL-630/55	FYH-630/55	LGJ-630/55	7.8	28.5	2500	15	5.3
HL-630/80	FYH-630/80	LGJ-630/80	7.8	28.9	2500	15	5.3
—	FYH-720/50	LGJ-720/50	7.8	30	3000	15	6.4
HL-800/155	FYH-800/55	LGJ-800/55	7.8	31.8	2500	17	6.0
HL-800/170	FYH-800/70	LGJ-800/70	7.8	32.1	2500	17	6.0
HL-800/1100	FYH-800/100	LGJ-800/100	7.8	32.3	2500	17	6.0
—	FYH-50BG	LBGJ-50-23AC	3.6	7.7	1000	9	1.0
—	FYH-80BG	JLB1A-80	3.6	9.6	1400	12	1.6
—	FYH-100BG	LBGJ-100-20AC	3.6	11.0	1400	12	1.9
—	FYH-120BG	JLB1A-120	3.6	12.0	1400	14	1.7
—	FYH-150BG	LBGJ-1800-40AC	3.6	13.2	1500	15	2.0
—	FYH-185BG	LBGJ-185-20AC	3.6	14.5	1500	16	2.0

注:铝合金制件。 Note: Aluminum alloy.