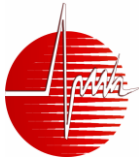


## *Cables*

Our range covers the most common only used cables, with copper or Aluminum conductors and combination of PVC, XLPE, PE, HMWPE and PVDF insulation, depending on Cathodic protection application type and chloride contents of environment. The cables are supplied from manufactures which produce their goods in accordance with standards live IEC,BS,VDE,JIS control, testing & inspection to check every critical property such as DC resistance, insulation resistance, voltage test, attenuation, impedance capacitance for ( R.F and voice cables) and physical characteristics.

<p><b>Low voltage power cables</b> <b>With PVC or XLPE insulation Rated Voltage 0.6/1 kV</b></p>	
<p><b>Medium voltage power cables With PVC or XLPE insulation Rated voltage 3.6/6 kV up to 12/20 kV</b></p>	
<p><b>Instrument Cables</b></p>	
<p><b>PVC insulated, non sheated general purpose cable single core 450/750 V, rigid conductors</b></p>	
<p><b>PVC insulated, non sheated general purpose cable single core 450/750 V, flexible conductors</b></p>	
<p><b>PVC insulated, PVC sheated light cable twin,3 core,4 core and Five core 300/500V</b></p>	
<p><b>PVC insulated, PVC sheated, single core, Flat Twin and 3 core, 300-500 V</b></p>	
<p><b>PVC insulated, PVC sheated light cord parallel twin, circular twin, 3 core, 4 core 300/500 V</b></p>	
<p><b>PVC insulated, PVC sheated, screened, ordinary cord, circular twin, 3 core, 4 core 300/500 V</b></p>	
<p><b>PVC insulated, PVC sheated Equipment cables</b></p>	
<p><b>PVC insulated, PVC sheated, screened, multi pair, Equipment cables</b></p>	



## *Cathodic Protection Cable Kynar*

Where improved corrosion resistance is required as in many deep well applications, dual jacketed Kynar/HMWPE cable is recommended. Historically, anode cable is the most cause of failures in deep well anode systems. As cathodic protection anodes discharge current, high levels of chlorine gas can be generated. Chlorine gas is detrimental to HMWPE insulation and the deterioration of the insulation will lead to failure of copper cable and loss of the anode in cathodic protection circuit.

With the dual insulated cable, the outer insulation jacket consists of standard HMWPE, which provides excellent physical properties such as abrasion resistance. The inner jacket consists of a homogeneous wall of natural PVDF fluoropolymer (Kynar), which provides excellent resistance to chlorine attack. Kynar is also resistant to many other detrimental chemicals such as hydrochloric and sulfuric acid as well as petroleum hydrocarbons.

• **Application:**

A direct earth burial, DC lead, cathodic protection cable for use in deep anode grounded installations, designed to withstand corrosive gases.

• **Standards:**

1. **Conductor**

Stranded bare copper conductor conforms to ASTM Specification B-8.

2. **Insulation**

A homogeneous wall of natural PVDF fluoropolymer (Kynar) shall be extruded over the conductor.

3. **Jacket**

Insulation is high molecular weight polyethylene conforming to ASTM-D-1248, Type 1, Class A, Category 5, Grades E4 and E5. Tensile Strengths J1, J3. Available with high density polyethylene (Types II, III, IV) Class B and C (all colors). Surface printed. Custom printing available.

• **Size and dimensions**

Size	No. of Strands	Circular Mils	AWG Diameter Inches	Kynar Thickness Inches	HMWPE Thickness Inches	Nominal Diameter Inches	Weight Lbs per 1000 ft	DC Ohms per Mft at 20°C
#8	7	16,510	0.146	0.020	0.065	0.316	83	0.640
#6	7	26,240	0.184	0.020	0.065	0.354	120	0.403
#4	7	41,740	0.232	0.020	0.065	0.402	177	0.254
#2	7	66,360	0.283	0.020	0.065	0.462	260	0.159



**ARMIN INDUSTRIES Co.**  
CORROSION CONTROL DIVISION



**ISO 9001**  
CERTIFIED ORGANIZATION

DOCUMENT SUBJECT: EQUIPMENT CATALOGUES

DOC. NO. : ARM-ECP-TO-EC-01

Page 35 of 63

### Cable Lugs



Conductor Size mm <sup>2</sup>	Stud Size mm	Overall Length mm	Overall Width mm	List No.	Tooling Ref.
16.0	5.3	28.0	12.0	CSR 16-5	2258
16.0	6.5	28.0	12.0	CSR 16-5	3165
16.0	8.5	32.0	14.0	CSR 16-8	T2600
16.0	10.5	33.0	16.0	CSR 16-10	V1400
16.0	12.5	36.0	17.3	CSR 16-12	
25.0	6.5	32.0	13.0	CSR 25-6	2258
25.0	8.5	32.0	14.0	CSR 25-8	3165
25.0	10.5	38.0	16.0	CSR 25-10	T2600
25.0	12.5	46.0	22.0	CSR 25-12	V1400
35.0	6.5	37.0	15.5	CSR 35-6	
35.0	8.5	38.0	15.5	CSR 35-8	3165
35.0	10.5	42.0	16.0	CSR 35-10	T2600
35.0	12.5	44.0	17.5	CSR 35-12	V1400
35.0	14.0	46.0	19.0	CSR 35-14	
50.0	5.5	41.0	17.0	CSR 50-6	
50.0	8.5	41.0	17.0	CSR 50-8	3165
50.0	10.5	43.0	17.5	CSR 50-10	T2600
50.0	12.5	51.5	20.5	CSR 50-12	V1400
50.0	14.0	53.0	20.5	CSR 50-14	
70.0	8.5	49.0	21.0	CSR 70-8	
70.0	10.5	49.0	21.0	CSR 70-10	3165
70.0	12.5	55.0	21.5	CSR 70-12	T2600
70.0	14.0	55.0	22.0	CSR 70-14	V1400
95.0	8.5	58.0	24.0	CSR 95-8	
95.0	10.5	58.0	24.0	CSR 95-10	
95.0	12.5	58.0	24.0	CSR 95-12	T2600
95.0	14.0	58.0	28.0	CSR 95-14	V1400
95.0	17.0	63.0	28.0	CSR 95-17	
120.0	10.5	69.0	29.0	CSR 120-10	
120.0	14.0	69.0	29.0	CSR 120-14	T2600
120.0	17.0	69.0	29.0	CSR 120-17	V1400
150.0	14.0	72.0	32.0	CSR 150-14	
150.0	17.0	72.0	32.0	CSR 150-17	V1400
150.0	20.0	72.0	32.0	CSR 150-20	
185.0	14.0	81.0	36.0	CSR 185-14	
185.0	17.0	81.0	36.0	CSR 185-17	V1400
185.0	20.0	81.0	36.0	CSR 185-20	
240.0	14.0	89.0	39.0	CSR 240-12	
240.0	17.0	89.0	39.0	CSR 240-17	V1400
240.0	20.0	89.0	39.0	CSR 240-20	
300.0	17.0	99.0	43.0	CSR 300-17	
300.0	20.0	99.0	43.0	CSR 300-20	V1400
300.0	24.0	103.0	44.0	CSR 300-2	
400.0	20.0	114.0	48.0	CSR 400-20	
400.0	24.0	114.0	48.0	CSR 400-34	V1400
500.0	20.0	134.0	58.0	CSR 500-20	
500.0	24.0	134.0	58.0	CSR 500-24	
630.0				CB 630	V1470S
800.0				CB 800	
1000				CB 1000	

#### Flexible and Standard

Conductor Size mm <sup>2</sup>	Stud Size mm	Overall Length mm	Overall Width mm	List No.	Tooling Ref.
0.75	3.2	16.0	6.0	CR0.75-3	DKB 0325
0.75	4.3	16.0	6.0	CR0.75-4	
1.5	3.2	16.0	6.5	CR1.5-3	
1.5	4.3	17.0	6.5	CR1.5-4	DKB 0325
1.5	5.3	18.0	7.5	CR1.5-5	
2.5	3.2	16.0	7.5	CR2.5-3	DKB 0325
2.5	4.3	17.0	7.5	CR2.5-4	
2.5	5.3	18.0	8.5	CR2.5-5	
2.5	6.5	19.0	9.0	CR2.5-6	
4.0	4.3	21.0	8.5	CR4-4	2258
4.0	5.3	22.0	9.0	CR4-5	
4.0	6.5	23.0	10.0	CR4-6	
6.0	4.3	21.0	9.5	CR6-4	2258
6.0	5.3	21.0	9.5	CR6-5	
6.0	6.5	23.0	10.0	CR6-6	
6.0	8.5	30.0	13.5	CR6-8	
10.0	5.3	28.0	11.5	CR10-5	2258
10.0	6.5	28.0	11.5	CR10-6	
10.0	8.5	32.0	13.5	CR10-8	
10.0	10.5	33.0	15.5	CR10-10	T2600
10.0	12.7	33.0	15.5	CR10-12	3165