



HIGH SILICON CAST IRON ANODE (HSCI ANODE 3 × 60 Inch)

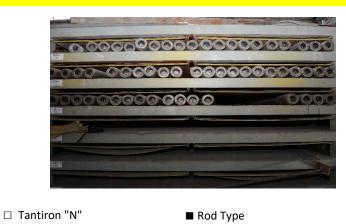
IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM

REV.	Date	Description/Issued for	Prepared	Checked	APP



TECHNICAL DATA SHEET

Doc No.: Rev.:



	TYPE	□ Tantiron "N"	■ Rod Type	
Carbon 0.9%-1.0% Carbon 14.25%-14.75% Chromium 14.25%-14.75% Chromium 14.3%-5.0% Manganese 1.5% max Molybdenum 0.2% max Copper 0.5% max Iron Remainder Diameter 1525 mm Length 1525 mm Head Diameter 102 mm Surface Area 0.38 m² Approx. Weight 49 kg Density 7 - 7.05 g/cm³ Hardness 500 Brinell - min PHYSICAL PROPERTIES Electrical Resistivity 72 μΩ.cm - max Impact Resistance 0.11 - min Length 3000 mm Size 1×16 mm² Connection To Anode Lead Caulking Pin Type Cable Insulation Type Cable Insulation Type Cable Insulation Type Cable Insulation Type Chlorine Resistance Type Single Jacket PVDF	<u> </u>	■ Tantiron "C"	□ Tubular Type	
No Ended Type		■ Single Ended		
Carbon	<u>FIGURE</u>	☐ Double Ended		
Silicon		□ No Ended Type		
CHEMICAL COMPOSITION Manganese 1.5% max Molybdenum 0.2% max Copper 0.5% max Iron Remainder Diameter 75 mm Length 1525 mm Head Diameter 102 mm Surface Area 0.38 m² Approx. Weight 49 kg Density 7 - 7.05 g/cm³ Hardness 500 Brinell - min PHYSICAL PROPERTIES Compressive Strength 650 Mpa - min Electrical Resistivity 72 μΩ.cm - max Impact Resistance 0.1 J - min Length 3000 mm Size 1×16 mm² Connection To Anode Lead Caulking Pin Type CABLE Single Jacket PVC Cable Insulation Type Single Jacket XLPE/PVC Cable Insulation Type Chlorine Resistance Type Single Jacket PVDF		Carbon	0.9%-1.0%	
CHEMICAL COMPOSITION Manganese 1.5% max Molybdenum 0.2% max Copper 0.5% max Iron Remainder Diameter 75 mm Length 1525 mm Length 102 mm Surface Area 0.38 m² Approx. Weight 49 Kg Density 7 − 7.05 g/cm³ Hardness 500 Brinell - min Flectrical Resistivity 72 μΩ.cm - max Impact Resistance 0.1 J - min Length 3000 mm Size 1×16 mm² Connection To Anode Lead Caulking Pin Type CABLE Single Jacket HWWPE Double Jacket LIPE/PVC Cable Insulation Type Single Jacket PVDF		Silicon	14.25%-14.75%	
Molybdenum Copper Copper Diameter Diameter Length Length 1525 mm Length 1525 mm Length 1525 mm PHAD Diameter Surface Area Approx. Weight App		Chromium	4.3%-5.0%	
Copper 0.5% max Iron Remainder Diameter 75 mm Length 1525 mm Head Diameter 102 mm Surface Area 0.38 m² Approx. Weight 49 kg Density 7 - 7.05 g/cm³ Hardness 500 Brinell - min PHYSICAL PROPERTIES Compressive Strength 650 Mpa - min Electrical Resistivity 72 μΩ.cm - max Impact Resistance 0.1 J - min Length 3000 mm Size 1×16 mm² Connection To Anode Lead Caulking Pin Type CABLE Single Jacket PVC Single Jacket HMWPE Double Jacket XLPE/PVC XLPE/SWA/PVC XLPE/SWA/PVC Single Jacket PVDF	CHEMICAL COMPOSITION	Manganese	1.5% max	
Iron Remainder		Molybdenum	0.2% max	
Dimension & Weight Length Head Diameter Surface Area Approx. Weight 49 Kg Density 7 - 7.05 g/cm³ Hardness 500 Brinell - min PHYSICAL PROPERTIES Compressive Strength Electrical Resistivity 72 μΩ.cm - max Impact Resistance 0.1 J - min Length Size 1×16 mm² Connection To Anode Electrical Roade Size 1×16 mm² Connection To Anode Cable Insulation Type Cable Insulation Type Cable Insulation Type Chlorine Resistance Type Single Jacket PVC XLPE/SWA/PVC		Copper		
Length 1525 mm Head Diameter 102 mm Surface Area 0.38 m² Approx. Weight 49 kg Density 7 - 7.05 g/cm³ Hardness 500 Brinell - min Electrical Resistivity 72 μΩ.cm - max Impact Resistance 0.1 J - min Length 3000 mm Size 1×16 mm² Connection To Anode Lead Caulking Pin Type Cable Insulation Type Chlorine Resistance Type Single Jacket PVDF		Iron	Remainder	
Head Diameter 102 mm Surface Area 0.38 m² Approx. Weight 49 kg		Diameter	75 mm	
Surface Area 0.38 m² Approx. Weight 49 kg Density 7 - 7.05 g/cm³ Hardness 500 Brinell - min PHYSICAL PROPERTIES Compressive Strength 650 Mpa - min Electrical Resistivity 72 μΩ.cm - max Impact Resistance 0.1 J - min Length 3000 mm Size 1×16 mm² Connection To Anode Lead Caulking Pin Type Single Jacket PVC Single Jacket HMWPE Double Jacket XLPE/PVC XLPE/SWA/PVC Type Single Jacket PVDF		Length	1525 mm	
Surface Area Approx. Weight Approx.	DIMENSION & WEIGHT	Head Diameter	102 mm	
Density 7 – 7.05 g/cm³ Hardness 500 Brinell - min Compressive Strength 650 Mpa - min Electrical Resistivity 72 μΩ.cm - max Impact Resistance 0.1 J - min Length 3000 mm Size 1×16 mm² Connection To Anode Lead Caulking Pin Type CABLE Cable Insulation Type Cable Insulation Type Chlorine Resistance Type Chlorine Resistance Type Cable Jacket PVDF	DIMENSION & WEIGHT	Surface Area	0.38 m²	
Hardness 500 Brinell - min Compressive Strength 650 Mpa - min Electrical Resistivity 72 μΩ.cm - max Impact Resistance 0.1 J - min Length 3000 mm Size 1×16 mm² Connection To Anode Lead Caulking Pin Type CABLE Cable Insulation Type Cable Insulation Type Chlorine Resistance Type Single Jacket PVDF		Approx. Weight	49 Kg	
PHYSICAL PROPERTIES Compressive Strength Electrical Resistivity 72 μΩ.cm - max Impact Resistance 0.1 J - min Length Size 1×16 mm² Connection To Anode Lead Caulking Pin Type Single Jacket PVC Single Jacket HMWPE Single Jacket HMWPE Double Jacket XLPE/PVC Cable Insulation Type Chlorine Resistance Type Single Jacket PVDF		Density	7 – 7.05 g/cm³	
Electrical Resistivity 72 μΩ.cm - max Impact Resistance 0.1 J - min Length 3000 mm Size 1×16 mm² Connection To Anode Lead Caulking Pin Type Single Jacket PVC Single Jacket HMWPE Single Jacket HMWPE Double Jacket XLPE/PVC Cable Insulation Type Chlorine Resistance Type Single Jacket PVDF		Hardness	500 Brinell - min	
Impact Resistance 0.1 J - min Length 3000 mm Size 1×16 mm² Connection To Anode Lead Caulking Pin Type Single Jacket PVC Single Jacket HMWPE Double Jacket XLPE/PVC Cable Insulation Type Chlorine Resistance Type Single Jacket PVDF	PHYSICAL PROPERTIES	Compressive Strength	650 Mpa - min	
Length Size 1×16 mm² Connection To Anode Lead Caulking Single Jacket PVC Single Jacket HMWPE Single Jacket HMWPE Double Jacket XLPE/PVC Cable Insulation Type Chlorine Resistance Type Single Jacket PVDF		Electrical Resistivity	72 μΩ.cm - max	
Size 1×16 mm² Connection To Anode Lead Caulking		Impact Resistance	0.1 J - min	
CABLE Single Jacket PVC Single Jacket HMWPE Double Jacket XLPE/PVC XLPE/SWA/PVC Type Chlorine Resistance Type Single Jacket PVDF				
CABLE Standard Type □ Single Jacket HMWPE □ Double Jacket XLPE/PVC □ XLPE/SWA/PVC Type □ Single Jacket PVDF		Connection To Anode	■ Lead Caulking	☐ Pin Type
CABLE Standard Type □ Single Jacket HMWPE □ Double Jacket XLPE/PVC □ XLPE/SWA/PVC Type □ Single Jacket PVDF				□ Single lacket PVC
CABLE Standard Type □ Double Jacket XLPE/PVC □ XLPE/SWA/PVC Type □ Chlorine Resistance Type □ Single Jacket PVDF				
Cable Insulation Type □ Chlorine Resistance Type □ Single Jacket PVDF	<u>CABLE</u>		■ Standard Type	
Type Chlorine Resistance Type Single Jacket PVDF				
☐ Chlorine Resistance Type				□ XLPE/SWA/PVC
		Type	☐ Chlorine Resistance Type	_



Rev.:
TECHNICAL DATA SHEET

ENCAPSULATION

BACKFILL

☐ PVC Cap

■ Heat Shrinkable Cap

☐ PVC & Heat Shrinkable Cap

Canister Dimension Length 2130 mm Diameter 250 mm

Coke Type Type 1 (80%)

■ Yes (With Canister)

Approx. Coke Weight 80 Kg

Approx. Total Weight: (With

Anode)

135 Kg

Doc No.:

☐ No (Without Canister)

Authorized Signature Company's Stamp