
 <p>PG PARS CO Corrosion control &amp; Cathodic protection شرکت پی جی پارس (سهامی خاص) سیستم های حفاظت کاتدی (انواعی تولید می شود)</p>	<h2>Data Sheet for cable</h2>	
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## Data Sheet for Cathodic Protection

00	26-July-2022	Issued for Comment	M.Fatehi	V.Pourahmadi	M.Tehrani
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### 1. STANDARDS AND CODES

The below listed, but not limited to, examples of Standards applicable to Cathodic Protection, with its references to other regulative bodies Standards and Recommended Practices are provided to the users for their consideration and decision to implement.

#### **IRANIAN PETROLEUM STANDARDS (IPS)**

- IPS-E-TP-820:        Engineering standard for cathodic protection system
- IPS-I-TP-820:        Inspection standard for monitoring cathodic protection system
- IP-M-EL-155         Material and equipment standard for transformer rectifiers for cathodic protection
- IPS-M-TP-750        Material and equipment standard for Cathodic Protection transformer

#### **BRITISH STANDARD INSTITUTE (BSI)**


- BS 7361: Pt.1        Cathodic protection – Code of practice for land and marine applications

#### **INTERNATIONAL STANDARD ORGANIZATION (ISO)**

- ISO 15589-1         Cathodic protection of pipeline transportation systems, Part 1: On-Land pipelines.

#### **AMERICAN SOCIETY FOR TESTING MATERIAL (ASTM)**

- ASTM A518M         Standard Specification for Corrosion-Resistant High-Silicon Iron Castings
- ASTM B265          Standard Specification for Titanium and Titanium Alloy Strip, Sheet, and Plate

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## 2. DATA SHEET FOR CATHODIC PROTECTION

### 2.1. 1×25 Cable CU/XLPE/PVC

Cable Type	CU/XLPE/PVC
Rated Voltage	0.6 /1 KV
Conductor Type	Soft Annealed Copper Wire
Insulation Material	Cross Linked Polyethylene (XLPE)
Cable Size	1 ×25 mm <sup>2</sup>
No. Of Strands × Diameter	7 ×2.14mm
Insulation Thickness	0.9 mm (Min)
Sheath Material	PVC
Sheath Thickness	1.4 mm (Min)
Approx. Overall Cable Diameter	11 mm
Approx. Cable Weight	310 kg/ km
Resistance of Conductor @ 20°C	Max. 0.727 Ω/Km