

2014 Electric Cable 12.7/22kV

NEPEAN Power is a proven leader in the supply and manufacture of quality engineered solutions, products and technologies. Established in 1994, through the commitment of our dedicated team we have become a supplier of choice.

## Description

Single Core, EPR Insulated, Semi-Conductive Covered, 12.7/22 (24) kV Panel Wire, generally to AS/NZS 1429.1:2006

## Applications

For electrical supply of up to 12.7/22 (24) kV.

Suitable for fixed installations and other industrial applications. This cable is used inside metallic housed switchgear or substations.

## Installation

The electrostatic screen should be suitably earthed. Cable should not be used in lengths >10m. Cable requires stress relief termination at both ends. Care must be taken in removing the outer screen so that the insulation is not damaged.

## Applicable Standards

AS/NZS 1429.1:2006, AS/NZS 1125:2000, AS/NZS 3808:2000, IEC 60287

## Physical Construction

*Dimensions are nominal unless otherwise stated*

## Conductor Type

Tinned annealed copper to AS/NZS 1125

## Conductor Screen

Semi-conductive tape & semi-conductive extruded layer

## Power Conductor Size (stranding)

240mm<sup>2</sup>/(1752×0.4mm)

## Insulation Type

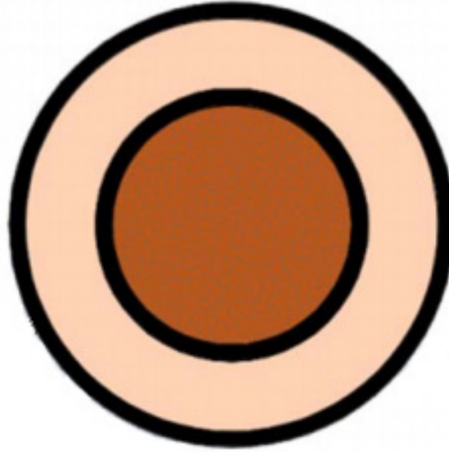
R-EP-90 to AS/NZS 3808

## Insulation Screen

Strippable semi-conducting thermosetting compound

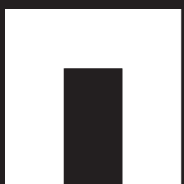
# EPR Cabling

## Electrical Specifications



### Data Sheet

Part Number	Number of cores x conductor area	Conductor Stranding	Approximate overall cable diameter	Approximate net weight	Minimum bending radius (Installed)	Maximum conductor resistance @ 20°C
	N x mm	mm	mm	kg/m		$\Omega$ /km
HVPW25	1 x 25	180 x 0.4	20.1	583	120.6	0.795
HVPW50	1 x 50	364 x 0.4	23.8	880	142.80	0.393
HVPW120	1 x 120	870 x 0.4	27.8	1,590	166.8	0.164
HVPW240	1 x 240	1,752 x 0.4	33.4	2738	200.4	0.0817



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