



**Part Number: I613PKF01**

1P1.5mm<sup>2</sup> XLP/OS/PVC/GSWA/FRPVC 500 V

**Product Description**

Instrumentation Cable, 1 Pair 1.5mm<sup>2</sup> Bare Copper, XLP Insulation, Overall foil shield with drain wire, PVC Inner Jacket, Galvanized Steel Wire Armor, FRPVC Outer Jacket, BS EN 50288-7

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

Area	Material	No. of Pairs
1.5 mm <sup>2</sup>	BC-Bare Copper (Stranded)	1

**Insulation**

Material
XLP

**Color Chart**

No. of Pairs	Color
1	White & Black

**Overall Shield or Un-shield Material**

Type	Material	Drain Wire Material	Coverage [%]
Tape	Polyester Tape		100 %
Shield Tape	Aluminium Mylar Tape	Tinned Copper	100 %

**Inner Jacket Material**

Material	Nominal Diameter
PVC	7.4 mm

**Armour Material**

Type	Material	Nominal Diameter
Armour	Galvanized Steel wire	9.2 mm

**Outer Jacket Material**

Material	Nominal Diameter
PVC	11.8 mm

**Electrical Characteristics**

## Conductor DCR

Nominal Conductor DCR @ 20 °C

13.57 Ohm/km

## Capacitance

Nom. Capacitance Core to Core

< 150 nF/km

## Inductance

Nominal Inductance

<= 1 mH/km

## Inductance to Resistance Ratio L/R

Max. Inductance to Resistance Ratio L/R

< 40 µH/Ohm

## Voltage

Voltage Rating	500 V
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## Temperature Range

Operating Temp. range	-30 °C To + 70 °C (EN)
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## Mechanical Characteristics

Bulk Cable Weight	280 kg/km
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## Standards

Cable Standards	EN 50288-7
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## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV)	Yes
EU Directive 2003/96/EC (BFR)	Yes
EU Directive 2011/65/EU (ROHS II)	Yes
EU Directive 2012/19/EU (WEEE)	Yes
EU Directive 2015/863/EU	Yes
EU CE Mark	Yes
CA Prop 65 (CJ for Wire and Cable)	Yes
MII Order 39 (China RoHS)	Yes

## Suitability

Suitability - UV Resistance	Yes (UL 1581)
Suitability - Oil Resistance	Yes

## Flammability, LSZH, Toxicity Testing

ISO/IEC Flammability

IEC 60332-3-22 , IEC 60332-1-2

### History

Update and Revision

Revision number: 0 Revision Date: 12-3-2020

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