

# SENSITHERM S.r.l.

**Instrumentation cables**  
**PE insulated, individual & overall screened,**  
**PVC outer sheath**



**Type** **RE-2Y(st)Y PIMF**  
**PE/IS/OS/PVC 300/500V**

### Conductor

Flexible red copper conductor according to IEC60228 cl.5, with a cross section of 1,5sqmm - 28x0,25.

### Insulation

Polyethylene compound thickness 0,6mm

- Temperature range -40 + 70°C

- Temperature laying -5 + 70°C

### Laying up

Core are twisted to pairs or triad

Identification cores :

- Black, White numbered for multipair

### Pair screen

Each pair or triad will be shielded with aluminium/mylar tape, with copper drain wire 20AWG placed between the aluminium/myler tape and further myler tape.

The drain wire is layed up with the other conductors.

### Overall screen

Over the multipair / triad layer will be shielded with aluminium/mylar tape, with copper drain wire 20 AWG placed between the aluminium/myler tape and further myler tape.

The drain wire is layed up with the other conductors.

### Outer sheath

Polyvinylchloride extruded compound according to IEC60502 Black colour

### Marking

On the outhter sheath " manufacturer's name year & description cable " with ink-jet printer.

### Performance

Flame retardant according to IEC60332.1

## Technical data & Electrical properties at 20°C

Description	Unit	Conductor size
		1,5 sqmm
Nominal insulation thickness	mm	0,6
Conductor resistance	ohm/km	13,3
Insulation resistance	Mohm/km	5.000
Test voltage Core to Core	V	2.000
Rated voltage	V	300 /500
Minimum bending radius	mm	12