

## PVC INSULATED, PVC SHEATHED INDIVIDUAL and OVERALL SCREENED PiMF INSTRUMENTATION CABLE



### TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Rated Voltage: 300/500V
- Min. Bending Radius: 7.5x Cable Outer Diameter
- Production Standard: EN 50288-7

### CONSTRUCTION

**Conductor:** Electrolytic, stranded, annealed plain copper wires to IEC 60228 Class 2 (Class 1 or Class 5 and / or tinned on request)

**Insulation:** PVC compound to EN50290-2-21

Black/White twisted pairs with numbered cores

**Binder Tape:** Polyester foil on each twisted pair

**Individual Screen:** Aluminium/polyester foil with a tinned copper drain wire in direct contact with the metallic side of the foil

**Collective Screen:** Aluminium/polyester foil with a tinned copper drain wire indirect contact with the metallic side of the foil

**Outer Sheath:** Flame retardant PVC compound to EN50290-2-22.

Blue for intrinsically safe cable, Black for UV resistant and/or non-intrinsically safe cable, Gray for indoor applications

### CODE of CABLE

- CU/PVC/ISCR/OSCR/PVC; RE-Y(St)Y-fl PIMF

### INTRODUCTION

These cables are used to link instruments and control systems for analog or digital signal transmission in both indoor and outdoor applications, petroleum refineries, petrochemistry industry, power plants, natural gas pump stations, indoors and outdoors, dry, damp and wet environments, gas stations, water conveyance systems. Because these cables are not meant to be used for power supply, they should not be connected directly to the mains electrical supply or other low impedance sources. When circuit integrity is essential in the event of a fire, this product is recommended.

### SECTION RANGE

- From 0.50mm<sup>2</sup> up to 2.50mm<sup>2</sup>

### CONDUCTOR QUANTITY

- From 2 pairs up to 50 pairs

### COLOUR CODE of CABLE

- Insulation Colours code could be according to the International Standards or customer's request/demand.  
\* **Other colours can be produced upon the customer requests.**