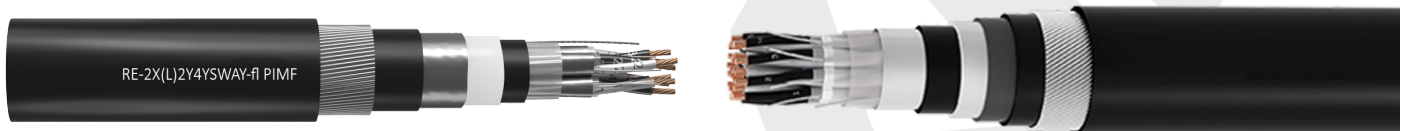


## XLPE or PE INSULATED, PVC or HDPE SHEATHED INDIVIDUAL and OVERALL SCREENED STEEL WIRE ARMoured CHEMICAL and MOISTURE PROTECTION PiMF-TiMF INSTRUMENTATION CABLE



### TECHNICAL DATA

- Max. Operating Temperature: 90°C
- Rated Voltage: 300/500V
- Min. Bending Radius: 10x 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:** XLPE or PE compound

**Binder Tape:** Polyester foil on overall cable core formed by stranded Pairs

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

**Binder Tape:** Polyester foil on overall cable core formed by stranded pairs

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

**Inner Sheath:** PE compound

**Chemical & Moisture Barrier (Multi Layer Sheath):**

AL Tape + HDPE + PA (Polyamide)

**Armour:** Round galvanized steel wires to EN 10257-1

**Outer Sheath:** Flame retardant PVC compound or HDPE  
Black for UV resistant and/or non-intrinsically safe cable

### CODE of CABLE

- CU/XLPE/ISCR/OSCR/AL/HDPE/PA/SWA/PVC;  
RE-2X(L)2Y4YSWAY-fl PIMF
- CU/XLPE/ISCR/OSCR/AL/HDPE/PA/SWA/PVC;  
RE-2X(L)2Y4YSWAY-fl TIMF

### INTRODUCTION

These cables are used to connect instruments and control systems for analog or digital signal transmission in both indoor and outdoor applications. 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. Protection against aliphatic and aromatic hydrocarbons, engine oils, and other organic and inorganic chemicals is recommended. This multilayer barrier also provides exceptional corrosion and moisture resistance.

### SECTION RANGE

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

### CONDUCTOR QUANTITY

- From 2 pairs up to 30 pairs
- From 2 triads up to 24 triads

### 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.