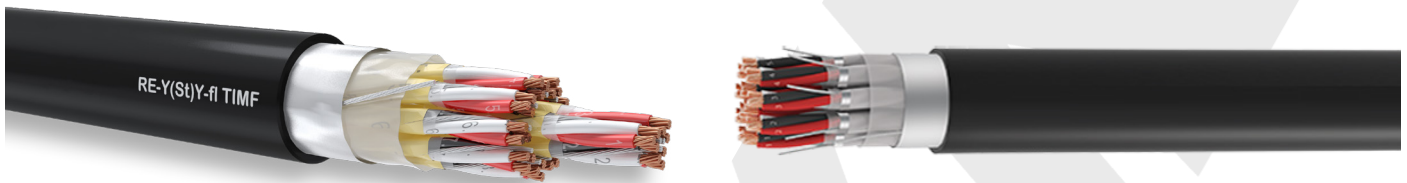


## PVC INSULATED, PVC SHEATHED INDIVIDUAL and OVERALL SCREENED TiMF INSTRUMENTATION CABLE



### 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/Red twisted triads with numbered cores

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

**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 EN50290-2-22.5

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 TiMF

### INTRODUCTION

These cables are used in sectors such as oil exploration, cement, paper, steel, power generation, and intrinsically safe systems in hazardous locations such as petrochemical facilities and thermal power plants to monitor measurement equipment in process automation applications. Armoured variants offer mechanical strength and shield the cable core from external mechanical forces. Its unique design also ensures a minimum of 180 minutes of circuit integrity under fire conditions.

### SECTION RANGE

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

### CONDUCTOR QUANTITY

- 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.**