



## PVC / ICAT / PVC P2TY1

### Application Area

This overall screened instrumentation cable is used for signal transmission in electronic control systems and panels, communication and telecom technologies, petrochemical and other commercial and industrial applications.

### Cable Construction

<b>Conductor</b> BS EN 60228	Solid (class 1), stranded (class 2) or flexible (class 5) copper conductor to
<b>Insulation</b>	PVC (EN 50290-2-21)
<b>Core Stranding</b>	Cores twisted to pairs , triples or quads in layers.
<b>Binder Tape</b>	PETP foil
<b>Screen</b>	Individual & Overall Al-PET foil Screens with Tinned Copper Drain Wire
<b>Outer Sheath</b>	PVC (EN 50290-2-22)
<b>Insulation</b>	PVC (EN 50290-2-21)
<b>Colours</b>	Outer Sheath: Blue or Black and other colours on request Core Colours: Colour coded in accordance to PAS 5308-1

### Technical Characteristics

<b>Operating Voltage</b>	300 V / 500 V
<b>Test Voltage</b>	2000 V
<b>Temperature Range</b>	Operating -15°C to +65°C, Installation 0°C to +50°C
<b>Flame Retardancy</b>	IEC 60332-1-2
<b>Min. Bending Radius</b>	Fixed: 8 x Cable Diameter

Cu Class	No. of cores x cross section n x mm <sup>2</sup>	Outer-ø ± 5% mm	Cable weight = kg/km
CLASS 5	2x2x0,50	9,8	116
	5x2x0,50	12,7	192
	10x2x0,50	17,4	352
	15x2x0,50	21,1	510
CLASS 5	2x2x0,75	10,5	140
	5x2x0,75	12,7	192
	10x2x0,75	17,4	352
	15x2x0,75	21,2	520
CLASS 2	2x2x1,5	12,4	206
	5x2x1,5	16,2	362
CLASS 2	2x2x2,5	14	278
	5x2x2,5	18,5	508