



## XLPE / CAT / PVC PITY1

### Application Area

This individual and 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>	Solid (class 1), stranded (class 2) or flexible (class 5) copper conductor to BS EN 60228
<b>Insulation</b>	PE to BS EN 50290-2-23 or XLPE to BS EN 50290-2-29
<b>Core Stranding</b>	Cores twisted to pairs, triples or quads in layers
<b>Screen</b>	Collective Al-PET foil Screen with Tinned Copper Drain Wire
<b>Outer Sheath</b>	PVC (EN 50290-2-22)
<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 1	1x2x0,5	5,4	35
	2x2x0,5	6,2	52
	5x2x0,5	10,4	130
	10x2x0,5	13,8	228
	15x2x0,5	16,5	320
	20x2x0,5	18,5	410
CLASS 1	1x2x1	6,5	55
	2x2x1	7,5	84
	5x2x1	12,7	211
	10x2x1	17,2	380
	15x2x1	20,77	550
CLASS 2	1x2x1,5	7,4	70
	2x2x1,5	8,7	113
	5x2x1,5	14,8	290
CLASS 2	10x2x1,5	20	520
	1x2x2,5	8,2	95
	2x2x2,5	9,8	160
CLASS 5	5x2x2,5	16,8	406
	1x2x0,5	6	40
	2x2x0,5	6,8	57
	5x2x0,5	11,6	135
	10x2x0,5	15,6	234
	15x2x0,5	18,8	332
	20x2x0,5	20,89	416

Please contact with sales team for other cross sections.