



## XLPE / ICAT / LSOH PITYI

### 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. HFFR compound is halogen free, low smoke and flame retardant with low-toxic acid self-extinguishing specialties and it is suitable for the areas where the safety requirements for cables are very high."

### Cable Construction

<b>Conductor</b> BS EN 60228	Solid (class 1), stranded (class 2) or flexible (class 5) copper conductor to
<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>	Individual & Collective Al-PET foil Screens with Tinned Copper Drain Wire"
<b>Outer Sheath</b>	LSZH (EN 50290-2-27)
<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 +90°C, Installation 0°C to +50°C
<b>Flame Retardancy</b>	IEC 60332-1-2
<b>Smoke Density</b>	IEC/EN 61034-1&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	2x2x0,50	8,8	103
	5x2x0,50	11,2	162
	10x2x0,50	15,3	292
	15x2x0,50	18,5	421
	20x2x0,50	20,76	537
CLASS 1	2x2x1	10,7	150
	5x2x1	13,9	256
	10x2x1	19,1	474
CLASS 2	2x2x1,5	12,4	197
	5x2x1,5	16,2	336
CLASS 2	2x2x2,5	14	265
	5x2x2,5	18,6	477
CLASS 5	2x2x0,50	10	114
	5x2x0,50	12,7	175
	10x2x0,50	17,4	317
	15x2x0,50	21,1	460