



XLPE / ICAT / PVC PT1Y1

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

Conductor	Solid (class 1), stranded (class 2) or flexible (class 5) copper conductor to BS EN 60228
Insulation	PE to BS EN 50290-2-23 or XLPE to BS EN 50290-2-29
Core Stranding	Screened pairs, triple strand in layer.
Binder Tape	PETP foil
Screen	Individual & Collective Al-PET foil Screens with Tinned Copper Drain Wire
Outer Sheath	PVC (EN 50290-2-22)
Colours	Outer Sheath: Blue or Black and other colours on request Core Colours: Colour coded in accordance to PAS 5308-1

Technical Characteristics

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

Cu Class	No. of cores x cross section n x mm ²	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
	15x2x1	23,4	702
	20x2x1	26,2	904
CLASS 2	2x2x1,5	12,4	197
	5x2x1,5	16,2	336
	10x2x1,5	22,4	634
	15x2x1,5	27,2	921
	20x2x1,5	30,4	1187
CLASS 2	2x2x2,5	14	265
	5x2x2,5	18,6	477
	10x2x2,5	22,62	904
	15x2x2,5	31,1	1318
	20x2x2,5	35	1721
CLASS 5	2x2x0,50	10	114
	5x2x0,50	12,7	175
	10x2x0,50	17,4	317
	15x2x0,50	21,1	460
	20x2x0,50	23,6	580