



XLPE / CAT / LSOH PITY1

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. 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

Conductor BS EN 60228	Solid (class 1), stranded (class 2) or flexible (class 5) copper conductor to
Insulation	PE to BS EN 50290-2-23 or XLPE to BS EN 50290-2-29
Core Stranding	Cores twisted to pairs, triples or quads in layers.
Screen	Collective Al-PET foil Screen with Tinned Copper Drain Wire
Outer Sheath	LSZH (EN 50290-2-27)
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 +90°C, Installation 0°C to +50°C
Flame Retardancy	IEC 60332-1-2
Smoke Density	IEC/EN 61034-1
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	1x2x0,50	5,4	35
	2x2x0,50	6,2	52
	5x2x0,50	10,4	130
	10x2x0,50	13,8	228
	15x2x0,50	16,5	320
	20x2x0,50	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
	10x2x1,5	20	520
CLASS 2	1x2x2,5	8,2	95
	2x2x2,5	9,8	160
	5x2x2,5	16,8	406
CLASS 5	1x2x0,50	6	40
	2x2x0,50	6,8	57
	5x2x0,50	11,6	135
	10x2x0,50	15,6	234
	15x2x0,50	18,8	332
	20x2x0,50	20,89	416