



## RE-2X(st)H-fl

### Application Area

This instrumentation cable is used for analogous and digital signal transmission in electronic control systems and panels, communication technologies, petrochemical industry in indoor and outdoor applications. HFFR compound has flame retardant and self extinguishing specifications and it is suitable for the areas where the safety requirements for cables are very high.

### Cable Construction

<b>Conductor</b>	Stranded Annealed Copper to IEC/EN 60228, Class 2 (Class 1 or Class 5 and / or tinned on request)
<b>Insulation</b>	XLPE to BS EN 50290-2-29
<b>Core Stranding</b>	Cores twisted to pairs, pairs is stranded in layers
<b>Binder Tape</b>	PETP foil
<b>Screen</b>	Overall Al-PET Foil Screen with Tinned Copper Drain Wire
<b>Outer Sheath</b>	HFFR Compound EN50290-2-27
<b>Colours</b>	Outer Sheath: Blue or Black and other colours on request Core Colours: Numbered Pair: Black / White, Numbered Triples: Black / White / Red and Numbered Quad: Black / White / Red / Blue

### Technical Characteristics

<b>Operating Voltage</b>	500 V
<b>Test Voltage</b>	2000 V
<b>Temperature Range</b>	Fixed -40°C / +70°C, Flexible - 5°C / +50°C
<b>Smoke Density</b>	IEC 61034-1&2
<b>Halogen Free</b>	DIN VDE 0482-754-1 / DIN EN 60754-1 / IEC 60754-1
<b>Flame Retardancy</b>	IEC 60332-1-2 / IEC 60332-3-24 Cat. C
<b>Min. Bending Radius</b>	Fixed: 7,5 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	1x2x0,50	6,2	48,00
	2x2x0,50	7,3	64,00
	3x2x0,50	9,8	96,00
	4x2x0,50	10,7	119,00
	5x2x0,50	11,7	145,00
	6x2x0,50	12,9	185,00
	10x2x0,50	15,8	263,00
	15x2x0,50	19	376,00
	20x2x0,50	21,3	476,00
	1x2x0,75	6,6	57,00
	2x2x0,75	7,7	78,00
	3x2x0,75	10,5	117,00
	4x2x0,75	11,5	145,00
	5x2x0,75	12,7	186,00
	6x2x0,75	13,8	227,00
	10x2x0,75	17	327,00
	15x2x0,75	20,8	482,00
	CLASS 2	1x2x1	7,1
2x2x1		8,1	90,00
3x2x1		11	135,00
4x2x1		12,1	170,00
5x2x1		13,4	215,00
6x2x1		14,5	262,00
10x2x1		18,15	390,00
1x2x1,5		7,5	80,00
2x2x1,5		8,6	108,00
3x2x1,5		11,8	160,00
4x2x1,5		13,1	210,00
5x2x1,5		14,3	260,00
6x2x1,5	15,8	325,00	
10x2x1,5	19,5	476,00	
1x2x2,5	8,8	113,00	
2x2x2,5	10,4	165,00	
3x2x2,5	14,3	245,00	
4x2x2,5	15,9	323,00	
5x2x2,5	17,4	403,00	
6x2x2,5	19,2	505,00	