



RE-2X(st)H-fl PIMF -TIMF

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

Conductor	Stranded Annealed Copper to IEC/EN 60228, Class 2 (Class 1 or Class 5 and / or tinned on request)
Insulation	XLPE to BS EN 50290-2-29
Core Stranding	Cores twisted to pairs, triples or quad in layers
Screen	Individual & Collective Al-PET foil Screens with Tinned Copper Drain Wire
Outer Sheath	HFFR Compound EN50290-2-27
Colours	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

Operating Voltage	500 V
Test Voltage	2000 V
Temperature Range	Fixed -40°C / +70°C, Flexible - 5°C / +50°C
Flame Retardancy	IEC 60332-1-2 / IEC 60332-3-24 Cat. C
Min. Bending Radius	Fixed: 7,5 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	10,20	120
	3x2x0,50	10,80	120
	4x2x0,50	11,80	150
	5x2x0,50	13,10	190
	6x2x0,50	14,30	226
	10x2x0,50	17,60	325
	15x2x0,50	21,50	480
	2x2x0,75	10,90	142
	3x2x0,75	11,60	145
	4x2x0,75	12,90	190
	5x2x0,75	14,10	228
	6x2x0,75	15,50	285
	10x2x0,75	19,10	414
	CLASS 2	2x2x1	11,40
3x2x1		12,20	170
4x2x1		13,60	220
5x2x1		14,80	270
6x2x1		16,30	335
10x2x1		20,14	492
2x2x1,5		12,20	190
3x2x1,5		13,20	202
4x2x1,5		14,40	256
5x2x1,5		16,00	323
6x2x1,5	17,50	393	
2x2x2,5	14,70	277	
3x2x2,5	15,90	300	
4x2x2,5	17,50	383	
5x2x2,5	19,40	486	
6x2x2,5	21,40	602	