



RE-2Y(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 speciliaties 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	PE compound to EN50290-2-23
Core Stranding	Cores twisted to pairs, pairs is stranded in layers
Screen	Overall Al-PET Foil Screen with Tinned Copper Drain Wire
Outer Sheath	HFFR 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 2	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
	1x2x1	7,1	70,00
	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