

INSTRUMENTATION CABLES

FR2XOHRAR 300/500 V and 450/750 V



Construction:

Conductor:	flexible red or tinned copper conductor Cl.5, acc. to IEC 60228
Insulation:	PVC, type R2
Colour cores:	blue-black, with black progressively numbered
Stranding:	conductors twisted in pairs
Screen:	electrostatic screen of plastic and aluminium tape + tinned drain-wire
Inner sheath:	PVC compound
Armour:	braid of galvanized steel wires
Outer sheath:	black (RAL 9005), blue (RAL 5015) or grey (RAL 7001), PVC type RZ

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1
EN 60332-3-24 CEI 20-22 III



Low smoke emission acc to:
CEI 20-37, IEC 60754

Technical data:

Nominal voltage:	up to 0,75 mm ² : U ₀ /U 300/500 V from 1 mm ² : U ₀ /U 450/750 V
Test voltage:	up to 0,75 mm ² : 2 kV from 1 mm ² : 2,5 kV
Temperature range:	-10 °C up to + 70 °C
Min. bending radius:	10 x d

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Part no.	No. of pairs x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Inductance L (µH/m)
47030D.X022M05	2x2x0,50	9,5	24	129	0,90
47030D.X032M05	3x2x0,50	10	33,6	151	0,90
47030D.X042M05	4x2x0,50	11	43,2	175	0,90
47030D.X052M05	5x2x0,50	11,5	52,8	194	0,90
47030D.X062M05	6x2x0,50	12,5	62,4	229	0,90
47030D.X082M05	8x2x0,50	13,5	81,6	278	0,90
47030D.X102M05	10x2x0,50	15	100,8	332	0,90
47030D.X122M05	12x2x0,50	15,5	120	362	0,90
47030D.X162M05	16x2x0,50	18	158,4	467	0,90
47030D.X202M05	20x2x0,50	19,5	196,8	545	0,90
47030D.X242M05	24x2x0,50	21	234,8	653	0,90
47030D.X022M07	2x2x0,75	10,5	33,6	160	0,85
47030D.X032M07	3x2x0,75	11	48	181	0,85
47030D.X042M07	4x2x0,75	12,5	62,4	227	0,85
47030D.X052M07	5x2x0,75	13,5	76,8	262	0,85
47030D.X062M07	6x2x0,75	14,5	91,2	293	0,85
47030D.X082M07	8x2x0,75	15,5	120	355	0,85
47030D.X102M07	10x2x0,75	17,5	148,8	431	0,85
47030D.X122M07	12x2x0,75	18	177,6	488	0,85
47030D.X162M07	16x2x0,75	20,5	235,2	615	0,85
47030D.X202M07	20x2x0,75	21	292,8	748	0,85
47030D.X242M07	24x2x0,75	24	350,4	853	0,85
47030E.X022M10	2x2x1	11	43,2	176	0,85
47030E.X032M10	3x2x1	12	62,4	210	0,85
47030E.X042M10	4x2x1	13,5	81,6	266	0,85
47030E.X052M10	5x2x1	14,5	100,8	304	0,85
47030E.X062M10	6x2x1	15,5	120	348	0,85
47030E.X082M10	8x2x1	16,5	158,4	415	0,85
47030E.X102M10	10x2x1	18,5	196,8	510	0,85
47030E.X122M10	12x2x1	19,5	235,2	597	0,85
47030E.X162M10	16x2x1	22	312	743	0,85
47030E.X202M10	20x2x1	22,5	388,8	886	0,85
47030E.X242M10	24x2x1	26	464,8	1011	0,85
47030E.X022M15	2x2x1,50	13,5	62,4	246	0,85
47030E.X032M15	3x2x1,50	14	91,2	290	0,85
47030E.X042M15	4x2x1,50	15,5	120	347	0,85
47030E.X052M15	5x2x1,50	17	148,8	412	0,85
47030E.X062M15	6x2x1,50	18,5	177,6	485	0,85
47030E.X082M15	8x2x1,50	20	235,2	604	0,85
47030E.X102M15	10x2x1,50	22,5	292,8	732	0,85
47030E.X122M15	12x2x1,50	23	350,4	812	0,85
47030E.X162M15	16x2x1,50	26	464,8	1023	0,85
47030E.X202M15	20x2x1,50	26,5	580,8	1235	0,85
47030E.X242M15	24x2x1,50	30,5	696	1417	0,85

* The point inside the part number refers to the different colors in which outer sheath can be produced. Each color has different letter.

Other dimensions and colours available on request.