Adapted to DIN VDE 0812

PVC insulated and PVC sheathed copper-screened flexible control cable

Construction:	
Conductors:	annealed copper flexible conductor, class 5 acc. to DIN VDE 0295
Insulation:	special PVC compound
Core identification:	colours coded to DIN 47100 without colour repetition
Taping and screening:	tinned copper braided screen (approx. 85% coverage)
Outer sheath:	special PVC compound
Colour of outer sheath:	grey RAL 7001

Characteristic:	
Operating peak voltage:	500 V
Test voltage 50Hz:	core/core: 1200 V core/screen: 800 V
Temperature range:	flexing: -5°C to +80°C fixed: -40°C to +80°C
Minimum bending radius:	free movement: 10 x cable ∅ fixed installation: 5 x cable ∅
Flame propagation:	acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
Standard length cable packing:	500 m or 1000 m on drums. Other forms of packing and delivery are available on request.

Application:

These screened cables are used for flexible use with free movement without tensile stress or forced movements in dry, moist and wet rooms but not suitable for open air, wherever the construction requirements call for minimum outer diameter.

Number and nominal cross-sectional area of conductors	Approximate overall diameter	Approximate net weight of copper	Approximate net weight of cables
n x mm²	mm	kg/km	kg/km
2 x 0.5	5,3	29,0	45,0
3 x 0.5	5,6	39,0	55,0
4 x 0.5	6,3	46,0	61,0
5 x 0.5	6,8	52,0	76,0
6 x 0.5	7,3	66,0	89,0
7 x 0.5	7,3	68,0	98,0
8 x 0.5	8,6	80,0	117,0
10 x 0.5	9,4	93,0	135,0
2 x 0,75	5,8	38,0	59,0
3 x 0,75	6,3	50,0	66,0

4	x	0,75	6,8	57,0	77,0
5	x	0,75	7,4	70,0	93,0
6	x	0,75	8,2	87,0	113,0
7	x	0,75	8,2	96,0	130,0
8	X	0,75	9,7	110,0	145,0
10	x	0,75	10,3	140,0	180,0
2	x	1	6,4	46,0	65,0
3	x	1	6,7	56,0	80,0
4	x	1	7,2	69,0	98,0
5	x	1	8,0	89,0	127,0
6	x	1	8,7	105,0	144,0
7	x	1	8,7	111,0	158,0
8	x	1	10,3	130,0	197,0
10	x	1	11,2	140,0	232,0
2	x	1,5	7,0	63,0	88,0
3	x	1,5	7,4	76,0	100,0
4	x	1,5	8,1	98,0	126,0
5	x	1,5	9,0	116,0	160,0
7	x	1,5	9,8	152,0	208,0
8	x	1,5	11,0	172,0	244,0
10	x	1,5	12,6	193,0	315,0