







## 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 Ø			
	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.

	nd nomin ctional ar conducte	rea	Approximate overall diameter	Approximate net weight of copper	Approximate net weight of cables
n x mm²			mm	kg/km	kg/km
2	Х	0.5	5,3	29,0	45,0
3	Х	0.5	5,6	39,0	55,0
4	Х	0.5	6,3	46,0	61,0
5	Х	0.5	6,8	52,0	76,0
6	Х	0.5	7,3	66,0	89,0
7	Х	0.5	7,3	68,0	98,0
8	Х	0.5	8,6	80,0	117,0
10	Х	0.5	9,4	93,0	135,0
2	Х	0,75	5,8	38,0	59,0
3	Х	0,75	6,3	50,0	66,0

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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						
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 <td>4</td> <td>Х</td> <td>0,75</td> <td>6,8</td> <td>57,0</td> <td>77,0</td>	4	Х	0,75	6,8	57,0	77,0
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     7,4     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		Х	0,75	7,4	70,0	93,0
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	6	Х	0,75	8,2	87,0	113,0
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   7,4   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			0,75	8,2	96,0	130,0
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   7,4   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	8	Χ	0,75	9,7	110,0	145,0
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	Х	0,75	10,3	140,0	180,0
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						
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		Х	1			
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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		Х	1	7,2	69,0	98,0
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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	Х	1	11,2	140,0	232,0
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						
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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	3	Х	1,5	7,4	76,0	100,0
7 x 1,5 9,8 152,0 208,0   8 x 1,5 11,0 172,0 244,0	4	Х	1,5	8,1	98,0	126,0
8 x 1,5 11,0 172,0 244,0		Х			116,0	160,0
	7	Х	1,5	9,8	152,0	208,0
10 x 1.5 12.6 193.0 315.0	8	X	1,5	11,0	172,0	244,0
10 X 1,0 12,0 100,0	10	Χ	1,5	12,6	193,0	315,0

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