



<b>conductor material:</b>	bare copper, fine wire conductors, according to VDE 0295 cl.5/ IEC 60228 cl. 5
<b>core insulation:</b>	as of 2 x 0,75 up to 5 x 6qmm PUR (special Polyurethane) as of 4 x 10 up to 4 x 120qmm EPR (Ethylene Propylene Rubber)
<b>cores:</b>	stranded in layers
<b>outer sheath:</b>	full polyurethane
<b>sheath colour:</b>	orange (~RAL 2004)
<b>bending radius fixed:</b>	5 x D
<b>bending radius moved:</b>	10 x D
<b>operating temperature:</b>	≤ 1qmm: 300 V/ 500 V ≥ 1,5qmm: 600 V/ 1000V
<b>test voltage:</b>	≤ 1qmm: 2000 V/ 50Hz ≥ 1,5qmm: 3500 V/ 50Hz
<b>insulation resistance:</b>	min. 20MΩ x km
<b>temperature range:</b>	-40 up to +80°C moved (up to +100°C for short periods)
<b>core identification:</b>	acc. to VDE 0293-308 up to 5 wires coloured, from 6 cores black with white numbers and one core gn/ye

## application:

KENPUR® 500 is predominantly used for mobile installations which are subject to environmental influences. For this reason KENPUR® 500 are multifunctional with especially well properties and predestination for outdoor use. Typical operation areas are:  
Steel works, rolling mills, machinery and industrial plant equipment, painting lines, public transportation services, mechanical workshops, food industry, building sites, mining and tunnel building.

KENPUR 500® is also available as spiral cable!  
Other colours on request!  
Short production lengths possible!

*The products and information presented here are for technical calculation only.  
They are subject to technical progress and in no way represent the ability of shipment.  
Outer diameters and cable weights are approximately.*

## resistance / features:

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| <ul style="list-style-type: none"> <li>- halogen free acc. EN 50267-2-1 addition C (IEC 60754-1)</li> <li>- good weather conditions resistance</li> <li>- good wastewater, sweet water and seawater resistance</li> <li>- suitable for use in foodstuffs</li> <li>- good breaking elongation / flexibility</li> <li>- good pressure and overrun resistance</li> <li>- good shake and vibration resistance</li> <li>- abrasion resistance acc. to DIN 53616</li> <li>- notch resistance</li> <li>- cut, tear and tear propagation resistance acc. to DIN 53515</li> <li>- materials used for production are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers</li> <li>- strain relief / breaking load 20N/qmm (Cu)</li> </ul> | <ul style="list-style-type: none"> <li>- normally with meter marking</li> <li>- radiation resistance up to 10<sup>7</sup> Gray</li> <li>- hydrolysis resistance acc. to EN 50396-10.2</li> <li>- microbe and rotting resistance acc. to VDE 0472 Teil 704</li> <li>- oil*, fat and wastewater resistance acc. to VDE 0472 part 803/EN50363-10-2</li> <li>- alcohol-free fuels and kerosine resistance</li> <li>- no corrosive gases acc. to EN 50267-2-2 (IEC 60754-2)</li> <li>- UV-resistance</li> <li>- conditionally acid and leach resistance*</li> <li>- current carrying capacity (generally) according to VDE 0298 part 2 and 4</li> </ul> |
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\* in particular cases we recommend to proof resistance of hydraulic, bio and synthetic oils and acids and leach as well.

KENEX PART NUMBER	NUMBER CORES X CROSS SECTION MM <sup>2</sup>	OUTER Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
00102075	KENPUR 500 2 x 0,75 OB	6,1	14,4	44
00103075	KENPUR 500 3 x 0,75 JB	6,4	21,6	55
00104075	KENPUR 500 4 x 0,75 JB	7,0	29,0	67
00105075	KENPUR 500 5 x 0,75 JB	7,8	36,0	90
00102100	KENPUR 500 2 x 1,0 OB	6,5	19,0	50
00103100	KENPUR 500 3 x 1,0 JB	6,9	29,0	61
00104100	KENPUR 500 4 x 1,0 JB	7,5	38,0	87
00105100	KENPUR 500 5 x 1,0 JB	8,4	48,0	106
00107100	KENPUR 500 7 x 1,0 JZ	9,9	67,0	160
00112100	KENPUR 500 12 x 1,0 JZ	12,1	115,0	240
00116100	KENPUR 500 16 x 1,0 JZ	13,6	154,0	310
00120100	KENPUR 500 20 x 1,0 JZ	15,1	192,0	390
00125100	KENPUR 500 25 x 1,0 JZ	17,3	240,0	450
00130100	KENPUR 500 30 x 1,0 JZ	18,0	288,0	520
00102150	KENPUR 500 2 x 1,5 OB	7,6	29,0	70
00103150	KENPUR 500 3 x 1,5 JB	8,0	43,0	95
00104150	KENPUR 500 4 x 1,5 JB	8,9	58,0	120
00105150	KENPUR 500 5 x 1,5 JB	10,0	72,0	164
00107150	KENPUR 500 7 x 1,5 JZ	11,7	101,0	210
00112150	KENPUR 500 12 x 1,5 JZ	14,4	173,0	340
00116150	KENPUR 500 16 x 1,5 JZ	16,2	231,0	440
00120150	KENPUR 500 20 x 1,5 JZ	17,9	288,0	560
00125150	KENPUR 500 25 x 1,5 JZ	20,0	360,0	620
00130150	KENPUR 500 30 x 1,5 JZ	21,7	432,0	780
00141150	KENPUR 500 41 x 1,5 JZ	26,0	590,4	1060



**SPEZIALKABEL / SPEZIALLEITUNGEN**

# **KENPUR® 500**

*PUR Cable 0,6/1kV*

<b>KENEX PART NUMBER</b>	<b>NUMBER CORES X CROSS SECTION MM<sup>2</sup></b>	<b>OUTER Ø APPROX. MM</b>	<b>COPPER WEIGHT KG/KM</b>	<b>CABLE WEIGHT KG/KM</b>
00102250	KENPUR 500 2 x 2,5 OB	8,8	48,0	110
00103250	KENPUR 500 3 x 2,5 JB	9,3	72,0	150
00104250	KENPUR 500 4 x 2,5 JB	10,6	96,0	180
00105250	KENPUR 500 5 x 2,5 JB	11,6	120,0	240
00107250	KENPUR 500 7 x 2,5 JZ	13,6	168,0	340
00112250	KENPUR 500 12 x 2,5 JZ	17,1	288,0	520
00116250	KENPUR 500 16 x 2,5 JZ	19,2	383,0	680
00120250	KENPUR 500 20 x 2,5 JZ	21,4	480,0	860
00102400	KENPUR 500 2 x 4 OB	10,2	76,8	160
00103400	KENPUR 500 3 x 4 JB	10,8	115,0	220
00104400	KENPUR 500 4 x 4 JB	12,0	154,0	280
00105400	KENPUR 500 5 x 4 JB	13,4	192,0	350
00107400	KENPUR 500 7 x 4 JZ	15,9	269,0	470
00104600	KENPUR 500 4 x 6 JB	13,9	230,0	400
00105600	KENPUR 500 5 x 6 JB	15,5	288,0	500
00107600	KENPUR 500 7 x 6 JZ	18,6	403,0	700
00141000	KENPUR 500 4 x 10 JB	18,2	384,0	640
00151000	KENPUR 500 5 x 10 JB	19,9	480,0	800
00171000	KENPUR 500 7 x 10 JZ	24,2	672,0	1020
00141600	KENPUR 500 4 x 16 JB	22,4	614,0	920
00151600	KENPUR 500 5 x 16 JB	24,8	768,0	1180
00142500	KENPUR 500 4 x 25 JB	28,6	960,0	1370
00152500	KENPUR 500 5 x 25 JB	32,7	1200,0	1670
00143500	KENPUR 500 4 x 35 JB	30,5	1344,0	1840
00153500	KENPUR 500 5 x 35 JB	33,0	1680,0	2310
00145000	KENPUR 500 4 x 50 JB	34,0	1920,0	2570
00155000	KENPUR 500 5 x 50 JB	43,8	2400,0	3290
00147000	KENPUR 500 4 x 70 JB	39,0	2688,0	3590
00157000	KENPUR 500 5 x 70 JB	47,0	3360,0	4480
00149500	KENPUR 500 4 x 95 JB	45,0	3648,0	4850
00159500	KENPUR 500 5 x 95 JB	53,0	4560,0	6060
00141200	KENPUR 500 4 x 120 JB	53,0	4608,0	6000

21.03.2013