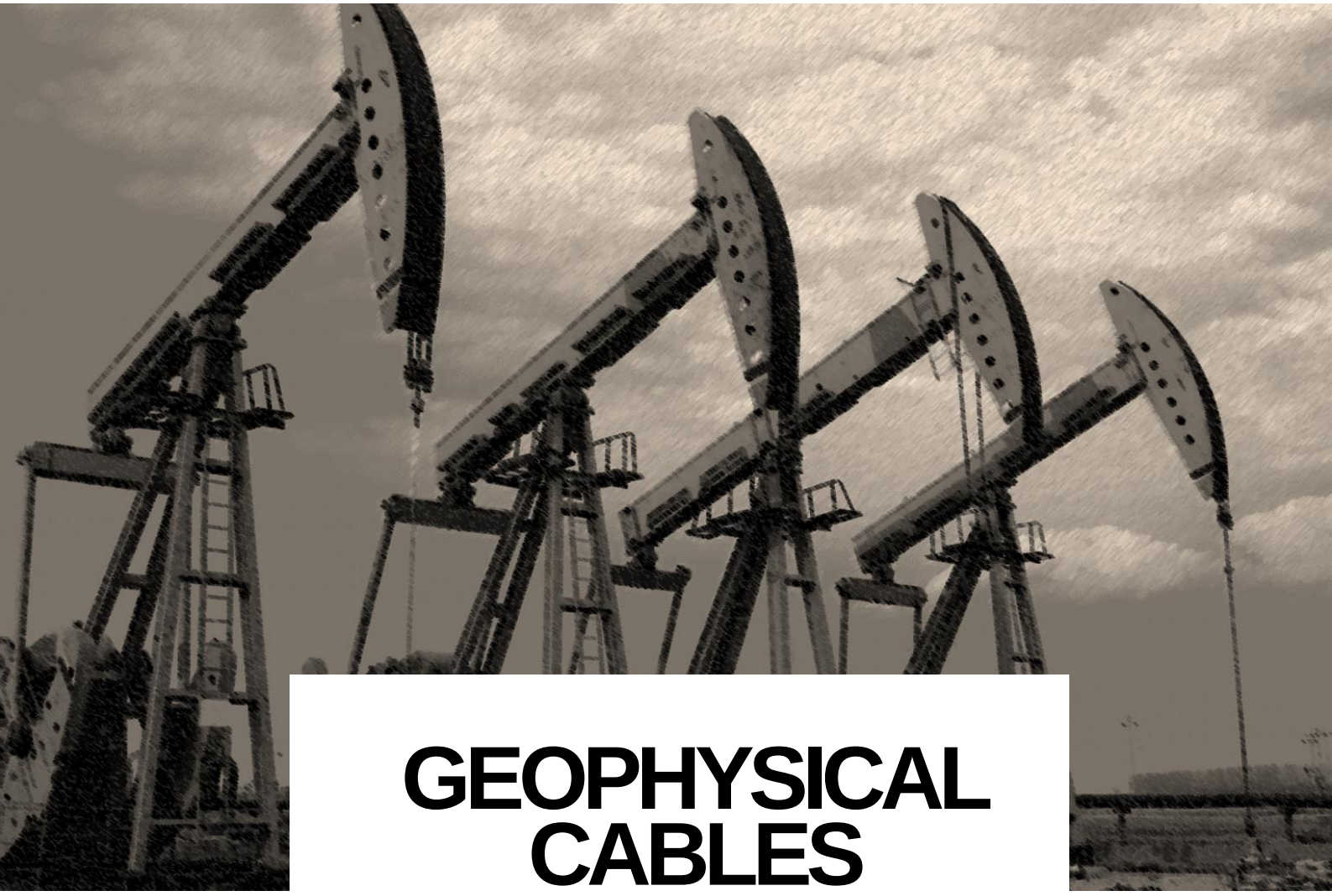
SKT group



GEOPHYSICAL CABLES

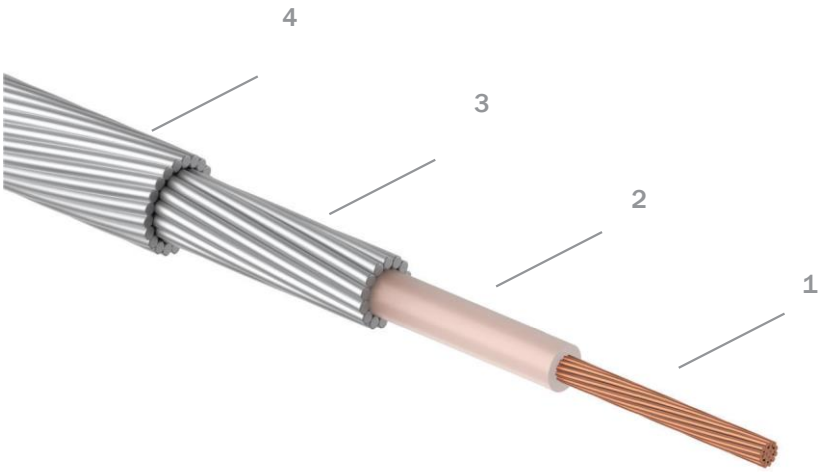
2025

SINGLE-CORE GEOPHYSICAL LOAD-CARRYING ARMORED CABLE OF GENERAL USE

TU* 27.32.13.195-119-32990926-2019

*TU – Technical Specification (Standard)

The cable is designed to lower and lift geophysical instruments and devices, supply them with electricity and provide information communication between ground equipment and downhole tools.



DESIGN:

1 — conductor
2 — polymer insulation
3 — first armor layer
4 — second armor layer

TECHNICAL SPECIFICATIONS

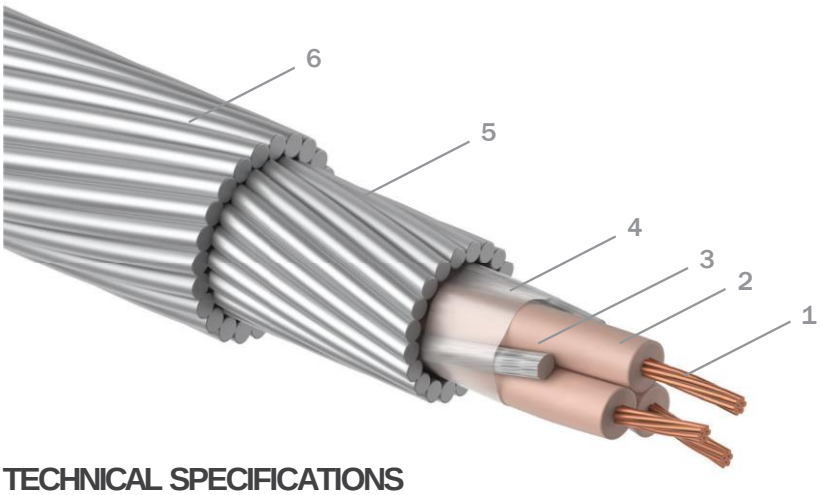
Name	Core cross-section	Electrical resistance	Breaking strength, no less	Armor design, inside/outside	Max, operating temperature	Cable outer diameter	Weight
	mm²	ohm/km	kN	nxd (mm)/nxd (mm)	°C	mm	kg/km
KGL 1x0,2-5-150	0,2	89,1	5	12x0,36/18x0,36	150	2,6	29,3
KGL 1x0,35-10-150	0,35	57	10	12x0,5/18x0,5	150	3,6	56,0
KGL 1x0,5-18-150	0,5	40,5	18	12x0,64/18x0,64	150	4,7	92,5
KGL 1x0,5-18-200	0,5	40,5	18	12x0,64/18x0,64	200	4,7	95,4
KGL 1x0,5-18-260	0,5	40,5	18	12x0,64/18x0,64	260	4,7	95,4
KGL 1x0,75-24-150	0,75	25,5	24	12x0,75/18x0,75	150	5,5	127,1
KGL 1x0,75-24-200	0,75	25,5	24	12x0,75/18x0,75	200	5,5	131,7
KGL 1x0,75-24-260	0,75	25,5	24	12x0,75/18x0,75	260	5,5	131,7
KGL 1x0,75-30-150	0,75	25,5	30	12x0,85/18x0,85	150	6,15	161,4
KGL 1x0,75-30-200	0,75	25,5	30	12x0,85/18x0,85	200	6,15	168,7
KGL 1x0,75-30-260	0,75	25,5	30	12x0,85/18x0,85	260	6,15	168,7
KG 1x0,75-40-150	0,75	25,5	40	14x0,89/17x1,1	150	7,6	234,8
KG 1x0,75-40-200	0,75	25,5	40	14x0,89/17x1,1	200	7,6	246,2
KG 1x0,75-40-260	0,75	25,5	40	14x0,89/17x1,1	260	7,6	246,2
KG 1x0,75-55-150	0,75	25,5	55	12x1,2/18x1,2	150	8,7	317,8
KG 1x0,75-55-200	0,75	25,5	55	12x1,2/18x1,2	200	8,7	329,1
KG 1x0,75-55-260	0,75	25,5	55	12x1,2/18x1,2	260	8,7	329,1
KGL 1x1,5-24-150	1,5	13,2	24	12x0,8/18x0,8	150	5,8	147,6
KGL 1x1,5-24-200	1,5	13,2	24	12x0,8/18x0,8	200	5,8	151,9
KGL 1x1,5-24-260	1,5	13,2	24	12x0,8/18x0,8	260	5,8	151,9
KG 1x1,5-55-150	1,5	13,2	55	15x1,1/18x1,3	150	9,4	359,9
KG 1x1,5-55-200	1,5	13,2	55	15x1,1/18x1,3	200	9,4	374,7
KG 1x1,5-55-260	1,5	13,2	55	15x1,1/18x1,3	260	9,4	374,7
KG 1x1,5-70-150	1,5	13,2	70	19x1,1/22x1,3	150	11,2	468,1
KG 1x1,5-70-200	1,5	13,2	70	19x1,1/22x1,3	200	11,2	498,6
KG 1x1,5-70-260	1,5	13,2	70	19x1,1/22x1,3	260	11,2	498,6
KG 1x1,5-75-150	1,5	13,2	75	22x1,1/24x1,3	150	12,2	514,6
KG 1x1,5-75-200	1,5	13,2	75	22x1,1/24x1,3	200	12,2	555,2
KG 1x1,5-75-260	1,5	13,2	75	22x1,1/24x1,3	260	12,2	555,2
KG 1x2,0-50-150	2,0	9,97	50	12x1,1/18x1,1	150	8,05	277,1
KG 1x2,0-50-200	2,0	9,97	50	12x1,1/18x1,1	200	8,05	285,3
KG 1x2,0-50-260	2,0	9,97	50	12x1,1/18x1,1	260	8,05	285,3
KG 1x2,0-60-150	2,0	9,97	65	17x1,1/20x1,3	150	10,3	412,3
KG 1x2,0-60-200	2,0	9,97	65	17x1,1/20x1,3	200	10,3	433,3
KG 1x2,0-60-260	2,0	9,97	65	17x1,1/20x1,3	260	10,3	433,3
KG 1x2,0-70-150	2,0	9,97	70	19x1,1/22x1,25	150	10,9	439,2
KG 1x2,0-70-200	2,0	9,97	70	19x1,1/22x1,25	200	10,9	466,6
KG 1x2,0-70-260	2,0	9,97	70	19x1,1/22x1,25	260	10,9	466,6
KG 1x2,0-80-150	2,0	9,97	80	12x1,5/18x1,5	150	10,9	499,5
KG 1x2,0-80-200	2,0	9,97	80	12x1,5/18x1,5	150	10,9	515,8
KG 1x2,0-80-260	2,0	9,97	80	12x1,5/18x1,5	150	10,9	515,8

THREE-CORE GEOPHYSICAL LOAD-CARRYING ARMORED CABLE OF GENERAL USE

TU* 27.32.13.195-119-32990926-2019

*TU – Technical Specification (Standard)

The cable is designed to lower and lift geophysical instruments and devices, supply them with electricity and provide information communication between ground equipment and downhole tools.



DESIGN:

1 — conductor
2 — polymer insulation
3 — interfacial filling
4 — PET film
5 — first armor layer
6 — second armor layer

TECHNICAL SPECIFICATIONS

Name	Core cross-section	Electrical resistance	Breaking strength, no less	Armor design, inside/outside	Max, operating temperature	Cable outer diameter	Weight
	mm²	ohm/km	kN	nxd (mm)/nxd (mm)	°C	mm	kg/km
KG 3X0,12-18-150	0,12	165,3	18	12x0,64/18x0,64	150	4,7	93,5
KG 3X0,12-24-150	0,12	165,3	18	12x0,8/18x0,8	150	5,8	139,8
KGL 3X0,2-30-150	0,2	89,1	30	12x0,85/18x0,85	150	6,25	160,6
KGL 3X0,2-30-200	0,2	89,1	30	12x0,85/18x0,85	200	6,25	184,6
KGL 3X0,35-24-150	0,35	57	24	12x0,8/18x0,8	150	5,8	150,2
KGL 3X0,35-24-200	0,35	57	24	12x0,8/18x0,8	200	5,8	153,9
KGL 3X0,5-40-150	0,5	40,5	40	19x0,8/19x1,1	150	8,4	283,8
KGL 3X0,5-40-200	0,5	40,5	40	19x0,8/19x1,1	200	8,4	292,7
KGL 3X0,5-40-260	0,5	40,5	40	19x0,8/19x1,1	260	8,4	292,7
KG 3X0,35-55-150	0,35	57	55	14x1,1/17x1,3	150	8,9	333,5
KG 3X0,35-55-200	0,35	57	55	14x1,1/17x1,3	200	8,9	337,3
KG 3X0,35-55-260	0,35	57	55	14x1,1/17x1,3	260	8,9	337,3
KG 3X0,75-60-150	0,75	25,5	60	17x1,1/20x1,3	150	10,3	431,7
KG 3X0,75-60-200	0,75	25,5	60	17x1,1/20x1,3	200	10,3	444,2
KG 3X0,75-60-260	0,75	25,5	60	17x1,1/20x1,3	260	10,3	444,2
KG 3X0,75-70-150	0,75	25,5	70	19x1,1/22x1,25	150	10,9	462,2
KG 3X0,75-70-200	0,75	25,5	70	19x1,1/22x1,25	200	10,9	479,3
KG 3X0,75-70-260	0,75	25,5	70	19x1,1/22x1,25	260	10,9	479,3
KG 3X0,75-98-150	0,75	25,5	98	18x1,3/24x1,3	150	12,0	565,4
KG 3X0,75-98-200	0,75	25,5	98	18x1,3/24x1,3	200	12,0	585,1
KG 3X0,75-98-260	0,75	25,5	98	18x1,3/24x1,3	260	12,0	585,1

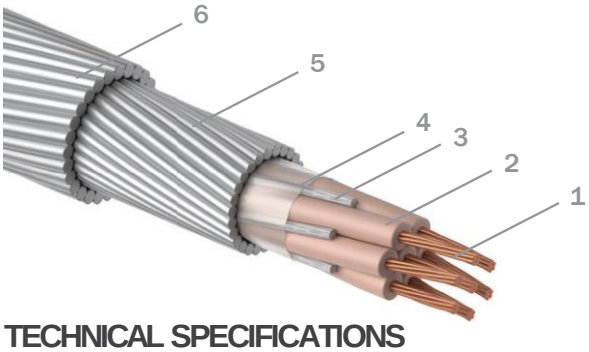
Name	Core cross-section	Electrical resistance	Breaking strength, no less	Armor design, inside/outside	Max, operating temperature	Cable outer diameter	Weight
	mm²	ohm/km	kN	nxd (mm)/nxd (mm)	°C	mm	kg/km
KG 3X1,5-70-150	1,5	9,97	70	19x1,1/22x1,25	150	10,9	477,3
KG 3X1,5-70-200	1,5	9,97	70	19x1,1/22x1,25	200	10,9	491,3
KG 3X1,5-70-260	1,5	9,97	70	19x1,1/22x1,25	260	10,9	491,3
KG 3X1,5-98-150	1,5	9,97	98	18x1,3/24x1,3	150	12,0	580,5
KG 3X1,5-98-200	1,5	9,97	98	18x1,3/24x1,3	200	12,0	598,1
KG 3X1,5-98-260	1,5	9,97	98	18x1,3/24x1,3	260	12,0	598,1

SEVEN-CORE GEOPHYSICAL LOAD-CARRYING ARMORED CABLE OF GENERAL USE

TU* 27.32.13.195-119-32990926-2019

*TU – Technical Specification (Standard)

The cable is designed to lower and lift geophysical instruments and devices, supply them with electricity and provide information communication between ground equipment and downhole tools.



DESIGN:

1 — conductor
2 — polymer insulation
3 — interfacial filling
4 — PET film
5 — first armor layer
6 — second armor layer

TECHNICAL SPECIFICATIONS

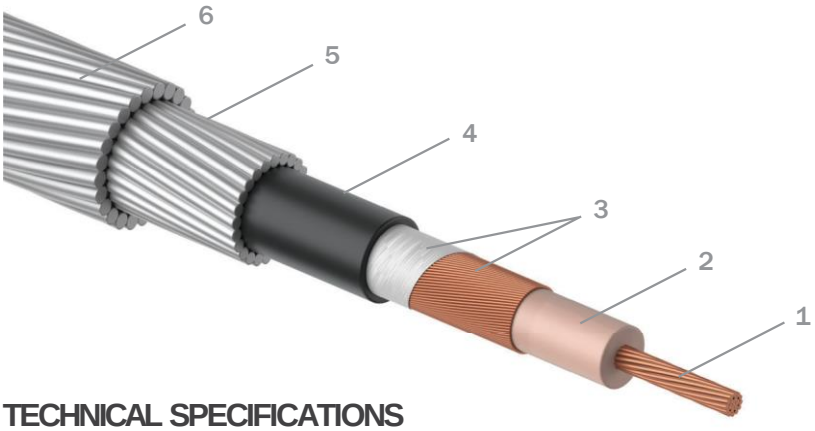
Name	Core cross-section	Electrical resistance	Breaking strength, no less	Armor design, inside/outside	Max, operating temperature	Cable outer diameter	Weight
	mm²	ohm/km	kN	nxd (mm)/nxd (mm)	°C	mm	kg/km
KG 7x0,2-40-150	0,2	89,1	55	19x0,8/19x1,1	150	9,4	283,5
KG 7x0,35-55-150	0,35	57	55	18x0,95/18x1,3	150	9,4	370,5
KG 7x0,35-55-200	0,25	57	55	18x0,95/18x1,3	200	9,4	381,1
KG 7x0,5-60-150	0,5	40,5	60	22x0,89/24x1,1	150	10,4	402,3
KG 7x0,5-60-200	0,5	40,5	60	22x0,89/24x1,1	200	10,4	422,2
KG 7x0,5-60-260	0,5	40,5	60	22x0,89/24x1,1	260	10,4	422,2
KG 7x0,5-70-150	0,5	40,5	70	19x1,1/22x1,25	150	10,9	472,1
KG 7x0,5-70-200	0,5	40,5	70	19x1,1/22x1,25	200	10,9	492,0
KG 7x0,5-70-260	0,5	40,5	70	19x1,1/22x1,25	260	10,9	492,0
KG 7x0,75-75-150	0,75	25,5	75	22x1,1/24x1,3	150	12,2	573,4
KG 7x0,75-75-200	0,75	25,5	75	22x1,1/24x1,3	200	12,2	601,4
KG 7x0,75-75-260	0,75	25,5	75	22x1,1/24x1,3	260	12,2	601,4
KG 7x1,5-100-150	1,5	13,2	100	22x1,3/24x1,55	150	14,5	813,5
KG 7x1,5-100-200	1,5	13,2	100	22x1,3/24x1,55	200	14,5	859,2
KG 7x1,5-100-260	1,5	13,2	100	22x1,3/24x1,55	260	14,5	859,2

GEOPHYSICAL WIRELINE

TU* 27.32.13.195-119-32990926-2019

*TU – Technical Specification (Standard)

The cable is designed to lower and lift geophysical instruments and devices, supply them with electricity and provide information communication between ground equipment and downhole tools.



DESIGN:

1 — conductor
2 — polymer insulation
3 — cable shield (soft copper wire, semi-conductive non-woven fabric)
4 – polymer insulation
5 — first armor layer
6 — second armor layer

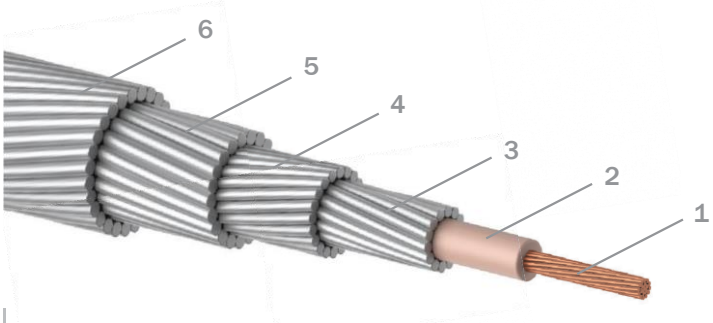
TECHNICAL SPECIFICATIONS

Name	Center conductor cross section	Electrical resistance of the center conductor	Sectional view of screening conductor	Electrical resistance of the of screening conductor	Wave impedance	Breaking strength, no less	Cable diameter	Weight
	mm²	ohm/km	mm²	ohm/km	ohms	kN	mm	kg/km
KG1K×0,35-50-150	0,35	57,0	0,35	59,5	40	50	8,7	310
KG1K × 0,5-55-150	0,5	40,5	0,5	39,0	40	55	9,3	353
KG1K × 1,0-55-150	1,0	19,8	1,5	11,6	40	55	10,25	391
KG1K × 1,5-55-150	1,5	13,2	1,5	11,6	30	55	10,25	395
KG1K × 2,0-70-150	2,0	9,97	2,0	9,97	40	70	11,4	453
KGP 1-150	2,0	9,97	3,5	6,5	50	150	16,5	921
KGP 1-190	4,0	4,89	4,0	4,89	50	190	20,0	1 226

GEOPHYSICAL LOAD-CARRYING ARMORED CABLE FOR WELL SWABING

TU* 27.32.13.195-119-32990926-2019

*TU – Technical Specification (Standard)



DESIGN:

1 — conductor
2 — polymer insulation
3 — first armor layer
4 — second armor layer
5 — third armor layer
6 — fourth armor layer

TECHNICAL SPECIFICATIONS

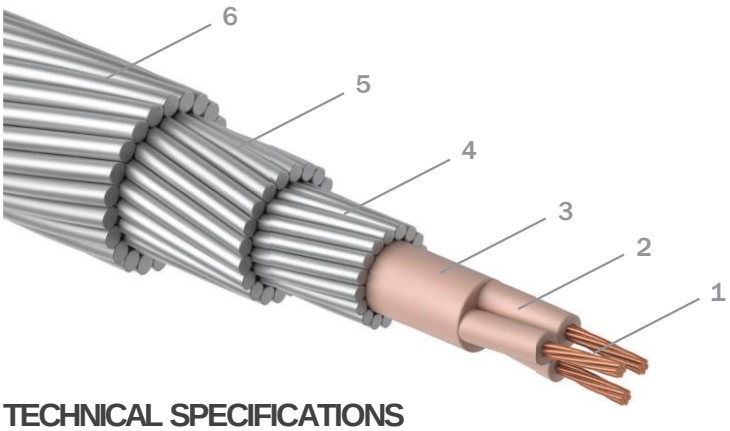
Name	Number of cores	Core cross-section	Electrical resistance	Breaking strength, no less	Armor design, inside/outside	Max, operating temperature	Cable outer diameter	Weight
	pcs	mm²	ohm/km	kN	nxd(мм) / nxd(мм)	°C	mm	kg/km
KGSv 1x0,75-70-150-4	1	0,75	25,5	70	12x0,75/18x0,75 17x1,1/23x1,1	150	10,0	460
KGSv 1x0,75-90-150-4	1	0,75	25,5	90	12x0,87/18x0,87 17x1,2/23x1,2	150	11,15	565,9
KGSv 1x0,75-150-150-4	1	0,75	25,5	150	12x1,2/18x1,2 22x1,3/24x1,55	150	14,4	930
KGSv 1x1,5-70-150-4	1	1,5	13,2	70	12x0,87/18x0,87 19x1,1/24x1,1	150	10,75	504,5

REINFORCED GEOPHYSICAL LOAD-CARRYING ARMORED CABLE OF GENERAL USE

TU* 27.32.13.195-119-32990926-2019

*TU – Technical Specification (Standard)

The cable is designed to lower and lift geophysical instruments and devices, supply them with electricity and provide information communication between ground equipment and downhole tools.



DESIGN:

1 — conductor
2 — polymer insulation
3 — cable core
4 — first armor layer
5 — second armor layer
6 — third armor layer

TECHNICAL SPECIFICATIONS

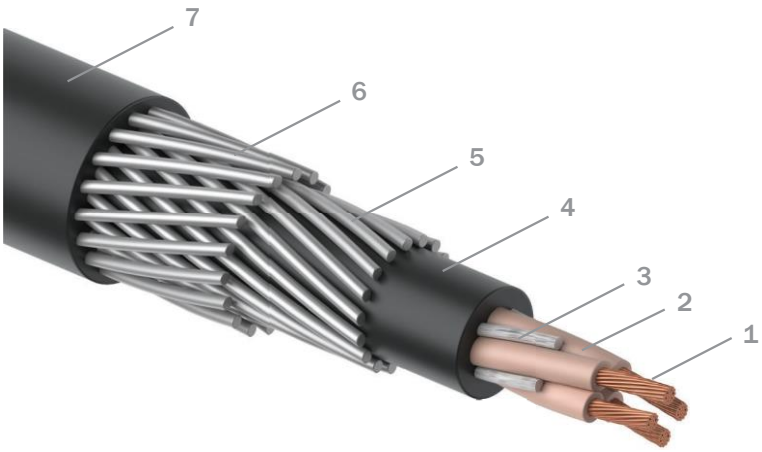
Name	Number of cores	Core cross-section	Electrical resistance	Breaking strength, no less	Armor design, inside/outside	Max, operating temperature	Cable outer diameter	Weight
	pcs	mm²	ohm/km	kN	nxd(мм) / nxd(мм)	°C	mm	kg/km
KG 1x2,0-200- 150-4	1	2,0	9,97	200	16x1,1/22x1,1 20x1,55/26x1,55	150	15,6	1 165
KG 3x0,75-110-150-3	3	0,75	25,5	110	16x1,1/20x1,2/ 23x1,35	150	12,3	630
KG 3x0,75-120-150-3	3	0,75	25,5	120	17x1,1/20x1,3/ 24x1,35	150	13,2	715
KG 3x0,75-200-150-4	3	0,75	25,5	200	16x1,1/22x1,1 20x1,55/26x1,55	150	15,6	1 159

GEOPHYSICAL LOAD-CARRYING CABLE WITH REINFORCED SHEATH OF GENERAL USE

TU* 27.32.13.195-119-32990926-2019

*TU – Technical Specification (Standard)

The cable is designed to lower and lift geophysical instruments and devices, supply them with electricity and provide information communication between ground equipment and downhole tools in wells with aggressive environment.



DESIGN:

1 — conductor
2 — polymer insulation
3 — interfacial filling
4 — polymer insulation
5 — first armor layer
6 — second armor layer
7 — outer polymer sheath

TECHNICAL SPECIFICATIONS

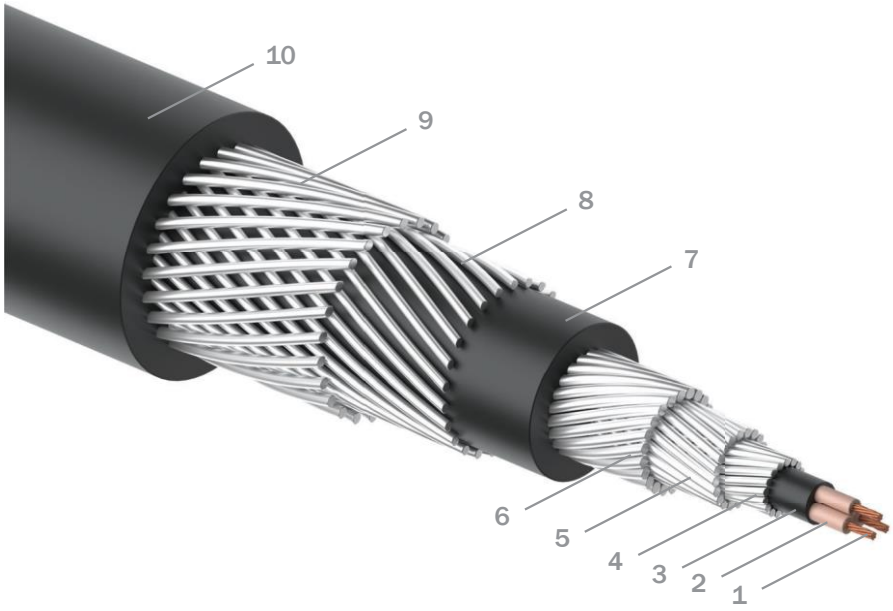
Name	Number of cores	Core cross-section	Electrical resistance	Breaking strength, no less	Armor design, inside/outside	Max, operating temperature	Cable outer diameter	Weight
	pcs	mm²	ohm/km	kN	nxd(мм) / nxd(мм)	°C	mm	kg/km
KG 1x0,5-5-90 Oa	1	0,5	40,5	4	6x0,75	90	5,2	45,3
KG 1x0,75-20-90 Oa	1	0,75	25,5	20	12x0,75/ 12x0,75	90	7,8	131,9
KG 1x0,75-55-90 Oa	1	0,75	25,5	55	12x1,1/18x1,1/ 14x0,87	90	12,5	400,3
KG 1x1,5-55-90 Oa	1	1,5	13,2	55	12x1,1/18x1,1/ 14x0,87	90	12,5	411,4
KGSv 1x0,75-80- 90 Oa	1	0,75	25,5	80	12x1,1/18x1,1/ 14x0,87/17x0,87	90	14,7	518,9
KG 3x0,12-6-90 Oa	3	0,12	165,3	6	8x0,75	90	6,5	62,5
KG 3x0,12-10-90 Oa	3	0,12	165,3	10	6x0,75/9x0,75	90	8,0	102,7
KG 3x0,2-6-90 Oa	3	0,2	89,1	6	8x0,75	90	6,5	63,1
KG 3x0,2-10-90 Oa	3	0,2	89,1	10	6x0,75/9x0,75	90	8,0	103,9
KG 3x0,5-35-90 Oa	3	0,5	40,5	35	12x0,87/15x0,87	90	10,4	212,4
KG 3x0,75-55-90 Oa	3	0,75	25,5	55	11x1,3/12x1,3	90	14,7	416,6
KG 3x0,75-70-90 Oa	3	0,75	25,5	70	11x1,5/12x1,5	90	14,7	492,2
KG 4x0,12-6-90 Oa	4	0,12	165,3	6	6x0,85	90	6,5	63,6
KG 4x1,5-55-90 Oa	4	1,5	13,2	55	11x1,3/12x1,3	90	15,5	473,9
KG 7x0,75-55-90 Oa	7	0,75	25,5	55	11x1,3/12x1,3	90	15,5	460,8

RIGID GEOPHYSICAL LOAD-CARRYING ARMORED CABLE FOR STUDIES OF INCLINED AND HORIZONTAL WELLS

TU* 27.32.13.195-119-32990926-2019

*TU – Technical Specification (Standard)

The cable is designed to lower and lift geophysical instruments and devices, supply them with electricity and provide information communication between ground equipment and downhole tools for studies of inclined and horizontal wells.



DESIGN:

1 — conductor
2 — polymer insulation
3 — first inner polymer sheath
4 — first armor layer
5 — second armor layer
6 — third armor layer
7 — second inner polymer sheath
8 — fourth armor layer
9 — fifth armor layer
10 — outer polymer sheath

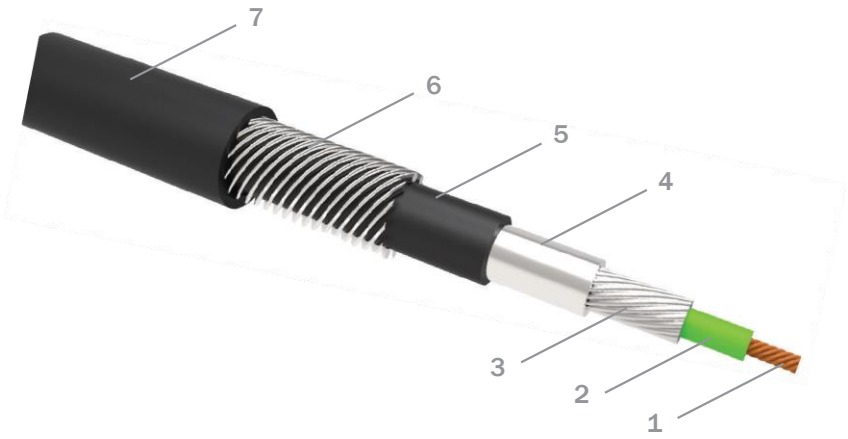
TECHNICAL SPECIFICATIONS

Name	Breaking strength, no less		Cable outer diameter		Weight 1 km	
	Load-carrying part	Load-moving part	Load-carrying part	Load-moving part	Load-carrying part vs	Load-moving part ns
	kN	kN	mm	mm	kg/km	kg/km
KG 3-10,2/26-90 0a	60	200	10,2	26	400	1 400
KG 3-13/25-90 0a	120	230	13	25	800	1 950
KG 3-13/30-90 0a	120	230	13,5	30	760	2 000
KG 3-13/34-90 0a	120	230	13,5	34	760	2 150
KG 3-14/28-90 0a	150	230	14	28	805	1 645
KG 3-16/25-90 0a	100	230	16,5	25	660	1 530
KG 3-16/28-90 0a	100	230	16,5	28	660	1 680
KG 3-16/30-90 0a	160	230	16,6	30	1 200	1 500
KG 3-16/35-90 0a	160	250	16,6	35	1 170	2 740
KG 3-16/32-90 0a	160	230	16	32	1 200	2 550
KG 3-16/34-90 0a	160	230	16,6	34	1 170	2 420
KG 3-38-90 0a	150		38		830	
KG 3x0,75-150-90 0a	150		22		1 130	

ELECTRIC CABLE FOR TELEMETRY MEASUREMENTS

PRODUCTION ACCORDING TO THE CUSTOMER'S SPECIFICATION

The electric cable is designed for telemetry measurements when conducting studies of oil and gas wells.



DESIGN:

1 — conductor
2 — polymer insulation
3 — first armor layer
4 — steel tube
5 — intermediate polymer sheath
6 — second armor layer
7 — outer polymer sheath

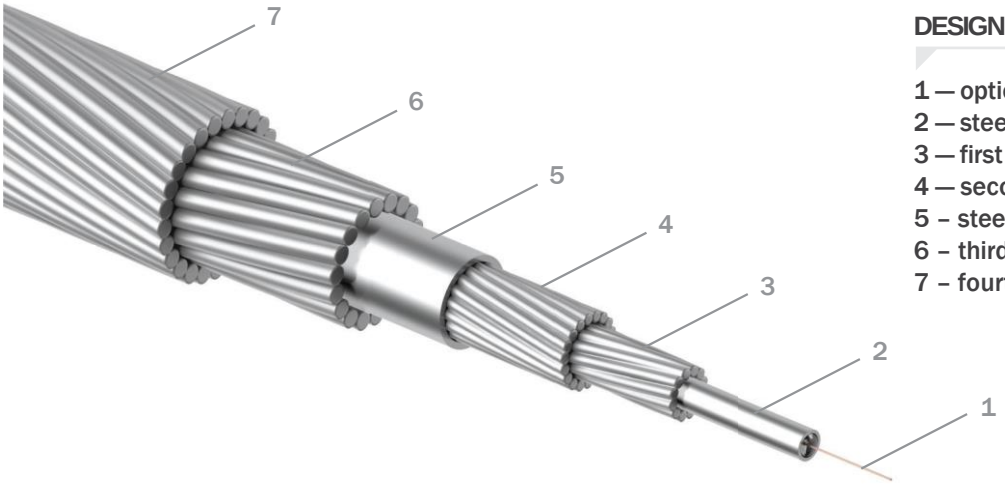
TECHNICAL SPECIFICATIONS

Name	Number of cores	Core cross-section	Electrical resistance	Breaking strength, no less	Max, operating temperature	Cable outer diameter	Weight
	pcs	mm^2	ohm/km	kN	°C	mm	kg/km
KGmt 1x0,35-150	1	0,35	57,0	1,2	150	2,0	17
KGt 1x0,35-10-125 O	1	0,35	57,0	10	125	7,0	164,1
KGmt 1x0,75-150	1	0,75	25,5	6	150	4,0	70
KGmt 1x0,75-10-150 O	1	0,75	25,5	10	150	7,1	109
VPmt 2x0,5-125	2	0,5	40,5	3,5	125	4,0	45,8
VPmt 2x0,5-90 Oa	2	0,5	40,5	3,5	90	7,0	72,5
VPmt 2x0,5-125 Oa	2	0,5	40,5	3,5	125	7,0	77,5
KG 2mt 1x0,35-150	1	0,35	57,0	1,5	150	2,0	22

OPTICAL CABLE
FOR TELEMETRY MEASUREMENTS

PRODUCTION ACCORDING TO THE CUSTOMER'S SPECIFICATION

The optical cable is designed for telemetry measurements when conducting studies of oil and gas wells.



DESIGN:

1 — optical fiber
2 — steel tube
3 — first armor layer
4 — second armor layer
5 – steel tube
6 – third armor layer
7 – fourth armor layer

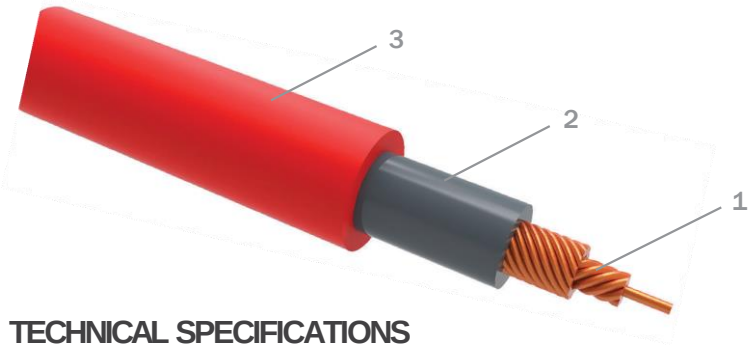
TECHNICAL SPECIFICATIONS

Name	Number of fibers	Breaking strength, no less	Max, operating temperature	Cable outer diameter	Weight
	pcs	kN	°C	mm	kg/km
KG mtbp 1x1E-350	1	40	350	7,4	265
KG mtbp 1x2E-350	2	40	350	7,4	265
KG 2mtbp 2E-80	2	40	80	7,2	215
KG mtbp 4E-80	4	40	80	7,2	215
KG mtbp 8E-80	8	45	80	7,8	286
OK 2,8-2E-80	2	10	80	6,2	157

HEATING CABLE FOR ELECTRIC HEATING SYSTEMS OF OIL AND GAS INDUSTRY FACILITIES

PRODUCTION ACCORDING TO THE CUSTOMER'S SPECIFICATION

Heating cable is designed for use in electric heating systems of oil and gas industry facilities.



DESIGN:

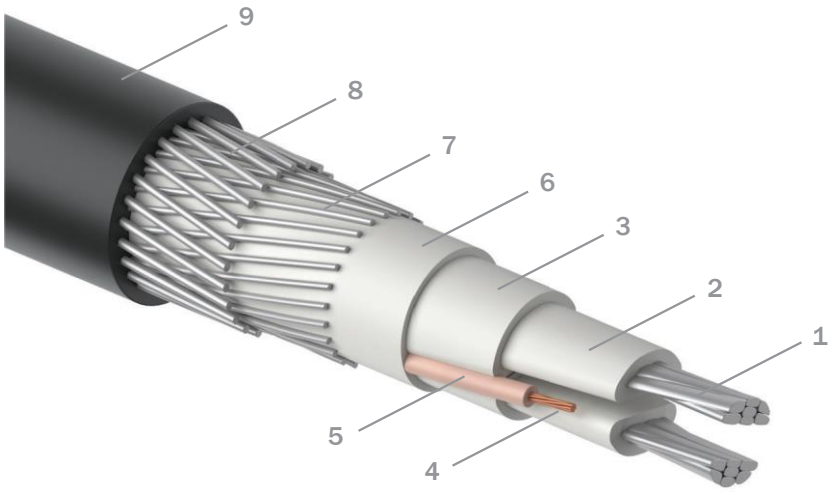
1 — conductor
2 — polymeric insulation
3 — outer polymer sheath

TECHNICAL SPECIFICATIONS

Name	Core cross-section	Nominal outside diameter	Estimated cable weight, no more	Maximum heating temperature	Rated electrical resistance of the core	Maximum AC (DC) voltage of the core
	mm²	mm	kg/km	°C	ohm/km	V
KnMNF-16,0-1000-200	16,0	9,25	278,7	200	1,24	1 000
KnMNF-16,0-1000-260	16,0	9,25	278,7	260	1,24	1 000
KnMNF-25,0-1000-200	25,0	10,6	376,7	200	0,79	1 000
KnMNF-25,0-1000-260	25,0	10,6	376,7	260	0,79	1 000
KnMNF-35,0-1000-200	35,0	11,95	490,6	200	0,56	1 000
KnMNF-35,0-1000-260	35,0	11,95	490,6	260	0,56	1 000
KnMNF-50,0-1000-200	50,0	13,6	651,2	200	0,40	1 000
KnMNF-50,0-1000-260	50,0	13,6	651,2	260	0,40	1 000
KnMNF-16,0-3000-200	16,0	10,65	332,8	200	1,24	3 000
KnMNF-16,0-3000-260	16,0	10,65	332,8	260	1,24	3 000
KnMNF-25,0-3000-200	25,0	12,0	437,5	200	0,79	3 000
KnMNF-25,0-3000-260	25,0	12,0	437,5	260	0,79	3 000
KnMNF-35,0-3000-200	35,0	13,35	557,9	200	0,56	3 000
KnMNF-35,0-3000-260	35,0	13,35	557,9	260	0,56	3 000
KnMNF-50,0-3000-200	50,0	15,0	726,5	200	0,40	3 000
KnMNF-50,0-3000-260	50,0	15,0	726,5	260	0,40	3 000
KnMNF-16,0-6000-200	16,0	12,85	433,0	200	1,24	6 000
KnMNF-16,0-6000-260	16,0	12,85	433,0	260	1,24	6 000
KnMNF-25,0-6000-200	25,0	14,2	548,2	200	0,79	6 000
KnMNF-25,0-6000-260	25,0	14,2	548,2	260	0,79	6 000
KnMNF-35,0-6000-200	35,0	15,55	679,1	200	0,56	6 000
KnMNF-35,0-6000-260	35,0	15,55	679,1	260	0,56	6 000
KnMNF-50,0-6000-200	50,0	17,2	860,6	200	0,40	6 000
KnMNF-50,0-6000-260	50,0	17,2	860,6	260	0,40	6 000

ROUND CROSS-SECTION GEOPHYSICAL LOAD-CARRYING ARMORED CABLE FOR HEAT LOSS COMPENSATION DEVICES (HEATING)

Devices for compensation of heat losses in oil wells.



DESIGN:

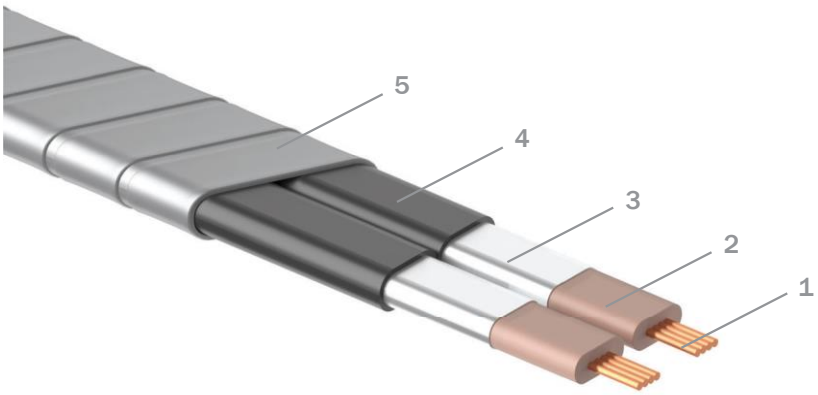
1 — conductor of heating elements
2 — polymer insulation
3 — intermediate polymer sheath
4 — current-carrying conductor
5 — current-carrying conductor insulation
6 — intermediate polymer sheath
7 — first armor layer
8 – second armor layer
9 - outer polymer sheath

TECHNICAL SPECIFICATIONS

Name	Core cross-section	Core material	Nominal outside diameter	Estimated cable weight, no more	Maximum operating temperature	Cable breaking strength, not less	Rated electrical resistance of the core	Maximum permissible current
	mm^2		mm	kg/km	°C	kN	ohm/km	A
KGnMP 12/2x1,5-50- 90 Oa	1,5	Copper	25,3	900	90	50	12,2	120
KGnMP 12/2x2,0-50- 90 Oa	2,0	Copper	25,3	872	90	50	10,9	125
KGnMP 2x12-50-90 Oa	12,0	Copper	22,0	814	90	50	0,6	175
KGnAP 2x16-50-90 Oa	16,0	Aluminum	25,0	725	90	50	3,5	140
KGnAP 2x25-50-90 Oa	25,0	Aluminum	25,0	745	90	50	2,8	140
KGnAP 2x35-50-90 Oa	35,0	Aluminum	28,1	1 010	90	50	0,8	140
KGnAP 2x50-50-90 Oa	50,0	Aluminum	27,0	1 340	90	50	0,6	230
KGnAP 12/2x2,4-50- 90 Oa	2,4	Aluminum	27,0	938	90	50	4,3	120
KGnAP 14/2x2,0-50- 90 Oa	2,0	Aluminum	27,0	936	90	50	4,3	120
KGnAP 14/2x2,9-50- 110 Oa	2,9	Aluminum	31,0	1 123	110	50	3,1	125

GEOPHYSICAL ARMORED FLAT CABLE FOR HEAT LOSS COMPENSATION DEVICES (HEATING)

Devices for compensation of heat losses in oil wells.



DESIGN:

1 — conductor
2 — layer of polymer insulation
3 — aluminum strip
4 — polymer sheath
5 — armor

TECHNICAL SPECIFICATIONS

Name	Core cross-section	Core material	Nominal outside diameter	Estimated cable weight, no more	Maximum operating temperature	Cable breaking strength, not less	Rated electrical resistance of the core	Maximum permissible current
	mm²		mm	kg/km	°C	kN	ohm/km	A
KnPASP 3x8,0-90	8,0	Aluminum	13x35	915	90	-	3,2	70
KnPMSP 3x12,0-90	12,0	Copper	13x35	1 251	90	-	1,65	110
KnPASP 3x14,0-90	14,0	Aluminum	13x35	1 025	90	-	2,0	100
KnPMSP (8/2x2,0) - 90-50	2,0	Copper	11x41	868	90	50	9,5	120
KnPMSP (8/2x2,0) -90	2,0	Copper	12x35	1 048	90	-	9,5	120
KnPASP (8/2x2,5) -90	2,5	Aluminum	12x35	960	90	-	9,5	120
KnPASP (8/2x3,1) -90	3,1	Aluminum	13x40	1 240	90	-	9,6	120
KnPASP (8/2x4,1) -90	4,1	Aluminum	13,3x42	1 200	90	-	7,2	120
KnPSSP (9/3x2,3) -90	2,3	Steel	12x46,5	1 375	90	-	29,0	30

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