



<b>conductor material:</b>	stranded bare Cu conductor, fine wire
<b>strand structure:</b>	strand structure to VDE 0295, class 5
<b>core insulation:</b>	special PVC
<b>cores:</b>	core identification to DIN 47100 1.0 mm <sup>2</sup> and over: black cores with printed consecutive number coding, cores twisted in layers, with optimal lay lengths
<b>lapping:</b>	film lapping
<b>screening:</b>	braided screening made of tinned copper wires
<b>outer sheath:</b>	special PVC
<b>sheath colour:</b>	blue RAL 5015

<b>peak operating voltage:</b>	300 V (not approved for use as mains power cable)
<b>test voltage:</b>	1500 V
<b>insulation resistance:</b>	at +20°C ≥ 20 Mohm x km
<b>bending radius:</b>	15 x cable diameter
<b>temperature range:</b>	-5 to +70°C flexible -30 to +80°C stationary
<b>flame retardant:</b>	to IEC 60332-1

<b>application:</b>	Cable with copper screening for interference-free data and signal transmission in measuring and control technology in intrinsically safe equipment. This cable type is a flexible PVC electronics cable with blue outer sheath for use in potentially explosive areas with type "i" protected electrical equipment (intrinsically safe electric circuits). This cable conforms to the requirements of DIN EN 60079-14, Section 12.2.2.6 (previously VDE 0165, Section 6.1.3.2.3) for intrinsic safety "i". This standard also requires special identification of the outer sheath.
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*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 are approximately.*

KENEX PART NUMBER	NUMBER CORES X CROSS SECTION MM <sup>2</sup>	OUTER Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
1102050EB	LiYCY-O EB 2 x 0,50	5,6	23,0	36
1103050EB	LiYCY-O EB 3 x 0 50	5,9	35,0	45
1104050EB	LiYCY-O EB 4 x 0,50	6,3	45,0	54
1105050EB	LiYCY-O EB 5 x 0,50	7,0	57,0	67
1107050EB	LiYCY-O EB 7 x 0,50	7,6	80,0	84
1112050EB	LiYCY-O EB 12 x 0,50	9,6	112,0	156
1116050EB	LiYCY-O EB 16 x 0,50	10,9	140,0	195
1120050EB	LiYCY-O EB 20 x 0,50	12,4	165,0	234
1124050EB	LiYCY-O EB 24 x 0,50	13,4	190,0	298
1132050EB	LiYCY-O EB 32 x 0,50	15,1	236,0	373
1102075EB	LiYCY-O EB 2 x 0,75	6,0	35,0	56
1103075EB	LiYCY-O EB 3 x 0,75	6,3	46,0	70
1104075EB	LiYCY-O EB 4 x 0,75	7,6	56,0	95
1105075EB	LiYCY-O EB 5 x 0,75	7,6	70,0	130
1106075EB	LiYCY-O EB 6 x 0,75	8,2	85,0	165
1107075EB	LiYCY-O EB 7 x 0,75	8,2	98,0	168
1112075EB	LiYCY-O EB 12 x 0,75	10,8	148,0	232
1116075EB	LiYCY-O EB 16 x 0,75	12,1	183,0	290
1120075EB	LiYCY-O EB 20 x 0,75	13,3	220,0	364
1124075EB	LiYCY-O EB 24 x 0,75	15,0	250,0	418
1132075EB	LiYCY-O EB 32 x 0,75	16,4	330,0	520
1136075EB	LiYCY-O EB 36 x 0,75	17,2	370,0	606
1102100EB	LiYCY-O EB 2 x 1	6,3	55,0	84
1103100EB	LiYCY-O EB 3 x 1	6,8	70,0	110
1104100EB	LiYCY-O EB 4 x 1	7,3	80,0	130
1105100EB	LiYCY-O EB 5 x 1	8,0	95,0	156
1107100EB	LiYCY-O EB 7 x 1	8,6	120,0	192
1112100EB	LiYCY-O EB 12 x 1	11,4	185,0	265
1116100EB	LiYCY-O EB 16 x 1	13,4	220,0	361
1118100EB	LiYCY-O EB 18 x 1	14,0	245,0	380
1120100EB	LiYCY-O EB 20 x 1	14,8	270,0	388
1124100EB	LiYCY-O EB 24 x 1	16,2	345,0	451
1102150EB	LiYCY-O EB 2 x 1,5	7,5	65,0	97
1103150EB	LiYCY-O EB 3 x 1,5	7,9	90,0	125
1104150EB	LiYCY-O EB 4 x 1,5	8,5	110,0	165
1105150EB	LiYCY-O EB 5 x 1,5	9,3	125,0	193
1107150EB	LiYCY-O EB 7 x 1,5	10,5	159,0	245
1112150EB	LiYCY-O EB 12 x 1,5	13,7	245,0	265
1116150EB	LiYCY-O EB 16 x 1,5	15,5	315,0	465
1118150EB	LiYCY-O EB 18 x 1,5	16,3	345,0	553
1120150EB	LiYCY-O EB 20 x 1,5	17,1	375,0	635
1124150EB	LiYCY-O EB 24 x 1,5	19,5	448,0	705