



<b>conductor material:</b>	bare copper stranded wires
<b>core insulation:</b>	polyethylene
<b>cores:</b>	colours with numbering pair: a-core black, b-core white triple: a-core black, b-core white, c-core red with number print 1/1, 2/2, etc. cores twisted to pairs with optimum pitch, pairs stranded in layer + 1 communication core 0,5qmm, PE-insulated, orange (communication core for multicore version)
<b>lapping:</b>	core lapping with foil
<b>screening:</b>	electrostatic screen (St) of plastic-coated metal foil and tinned drain-wire 0,5mm <sup>2</sup> (7x0,3mm)
<b>outer sheath:</b>	PVC, reinforced, wall-thickness to DIN VDE 0816 part 1, table 7, col. 1
<b>sheath colour:</b>	black RAL 9005 or blue RAL 5015 with meter marking
<b>operating voltage:</b>	300 V
<b>test voltage:</b>	2000 V = core/core 1000 V = core/screen
<b>insulation resistance:</b>	≥5 Gohm x km
<b>conductor resistance:</b>	0.5 mm <sup>2</sup> = max. 39.2 Ohm/km 0.75 mm <sup>2</sup> = max. 24.6 Ohm/km 1.3 mm <sup>2</sup> = max. 14.2 Ohm/km
<b>mutual capacitance at 800 Hz:</b>	max. 80nF/km max. 75nF/km = core/core 1.3 mm <sup>2</sup> max. 100nF/km = version with 1 and 2 pairs
<b>crosstalk attenuation at 60kHz:</b>	min. 0.88 dB/km
<b>inductivity:</b>	max. 0.75 mH/km
<b>bending radius:</b>	7.5 x cable diameter
<b>temperature range:</b>	-5°C to +50°C flexible -30°C to +70°C stationary
<b>flame retardant:</b>	to IEC 60332-1
<b>application:</b>	Computer cables are employed in process control and data processing systems to ensure optimum data transmission at a mean transmission rate of up to 200kbit/s. Adjusted lay lengths of pairs ensure enhanced crosstalk attenuation. Low mutual capacitance and attenuation allow extended transmission distances and short pulse times to be realized. The static screen protects the pairs against external electrical interference. Computer cables with reinforced outer sheath can be used for stationary installation in dry and damp environments, as well as for outdoor and underground installation.

*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.*

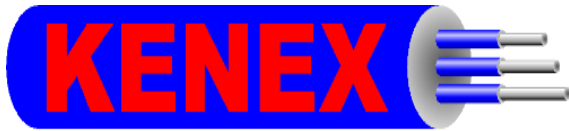


**SPEZIALKABEL / SPEZIALLEITUNGEN**

## **RE-2Y(St)Yv**

*computer cable with static screen  
and reinforced blue outer sheath, black or blue*

<b>KENEX PART NUMBER</b>	<b>NUMBER CORES X CROSS SECTION MM<sup>2</sup></b>	<b>OUTER SHEATH COLOUR</b>	<b>OUTER Ø APPROX. MM</b>	<b>COPPER WEIGHT KG/KM</b>	<b>CABLE WEIGHT KG/KM</b>
88012050	RE-2Y(St)Yv 1x2x0,5	black	7,3	15,0	74
88022050	RE-2Y(St)Yv 2x2x0,5	black	9,8	30,0	117
88042050	RE-2Y(St)Yv 4x2x0,5	black	11,5	50,0	135
88082050	RE-2Y(St)Yv 8x2x0,5	black	13,4	90,0	200
88102050	RE-2Y(St)Yv 10x2x0,5	black	14,9	110,0	220
88122050	RE-2Y(St)Yv 12x2x0,5	black	15,5	130,0	260
88162050	RE-2Y(St)Yv 16x2x0,5	black	17,3	170,0	340
88202050	RE-2Y(St)Yv 20x2x0,5	black	18,8	210,0	380
88242050	RE-2Y(St)Yv 24x2x0,5	black	20,2	250,0	465
88362050	RE-2Y(St)Yv 36x2x0,5	black	24,1	370,0	650
88482050	RE-2Y(St)Yv 48x2x0,5	black	27,5	490,0	845
88012075	RE-2Y(St)Yv 1x2x0,75	black	7,7	20,0	70
88022075	RE-2Y(St)Yv 2x2x0,75	black	10,5	35,0	130
88042075	RE-2Y(St)Yv 4x2x0,75	black	11,8	65,0	170
88082075	RE-2Y(St)Yv 6x2x0,75	black	13,6	95,0	215
88082075	RE-2Y(St)Yv 8x2x0,75	black	14,5	125,0	265
88102075	RE-2Y(St)Yv 10x2x0,75	black	16,1	155,0	310
88122075	RE-2Y(St)Yv 12x2x0,75	black	16,9	185,0	355
88162075	RE-2Y(St)Yv 16x2x0,75	black	18,9	245,0	440
88202075	RE-2Y(St)Yv 20x2x0,75	black	20,6	305,0	525
88242075	RE-2Y(St)Yv 24x2x0,75	black	23,1	365,0	610
88012130	RE-2Y(St)Yv 1x2x1,3	black	8,4	31,0	102
88022130	RE-2Y(St)Yv 2x2x1,3	black	11,7	62,0	161
88042130	RE-2Y(St)Yv 4x2x1,3	black	13,3	114,0	230
88062130	RE-2Y(St)Yv 6x2x1,3	black	16,0	171,0	288
88082130	RE-2Y(St)Yv 8x2x1,3	black	16,5	218,0	375
88122130	RE-2Y(St)Yv 12x2x1,3	black	19,3	322,0	515
88162130	RE-2Y(St)Yv 16x2x1,3	black	21,7	426,0	650
88242130	RE-2Y(St)Yv 24x2x1,3	black	26,3	634,0	950
88013130	RE-2Y(St)Yv 1x3x1,3	black	8,7	44,0	100



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