



conductor material:	bare copper stranded wires 0.5qmm (7x0,3mm) and 1.3qmm (7x0,49mm)
core insulation:	polyethylene
cores:	colours with numbering a-core black, b-core white with number print 1/1, 2/2, etc. cores twisted to pairs with optimum pitch, PiMF (pair in metal foil): foil taping, drain-wire, Cu-bare 0,6 mm Ø, plastic coated alu-foil and plastic foil, PiMFe stranded in layer, 1 communication core 0,5qmm, PE-insulated, orange (communication core for multicore version)
screening:	electrostatic screen (St) of plastic-coated metal foil and tinned drain-wire 0,5mm ² (7x0,3mm)
outer sheath:	PVC, reinforced, wall-thickness to DIN VDE 0816 part 1, table 7, col. 1
sheath colour:	black RAL 9005 or blue RAL 5015 with meter marking
operating voltage:	300 V
test voltage:	2000 V = core/core 1000 V = core/screen
insulation resistance:	≥5 Gohm x km
conductor resistance:	0.5 mm ² = max. 39.2 Ohm/km 0.75 mm ² = max. 24.6 Ohm/km 1.3 mm ² = max. 14.2 Ohm/km
mutual capacitance at 800 Hz:	max. 75nF/km = 0.5 qmm max. 110nF/km = 1.3 qmm
crosstalk attenuation:	min. 1.02 dB/km = 0.5 qmm at 60 kHz min. 0.88 dB/km = 1.3 qmm at 60 kHz
inductivity:	max. 0.75 mH/km
bending radius:	7.5 x cable diameter
temperature range:	-5°C to +50°C flexible -30°C to +70°C stationary
flame retardant:	to IEC 60332-1
application:	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.

KENEX PART NUMBER	NUMBER CORES X CROSS SECTION MM ²	OUTER SHEATH COLOUR	OUTER Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
88022050P	RE-2Y(St)Yv PiMF 2x2x0,5	black	10,8	35,0	135
88042050P	RE-2Y(St)Yv PiMF 4x2x0,5	black	12,2	60,0	165
88062050P	RE-2Y(St)Yv PiMF 6x2x0,5	black	14,0	90,5	200
88082050P	RE-2Y(St)Yv PiMF 8x2x0,5	black	15,0	121,0	240
88102050P	RE-2Y(St)Yv PiMF 10x2x0,5	black	16,8	136,0	255
88122050P	RE-2Y(St)Yv PiMF 12x2x0,5	black	17,5	161,0	345
88162050P	RE-2Y(St)Yv PiMF 16x2x0,5	black	19,6	212,0	420
88202050P	RE-2Y(St)Yv PiMF 20x2x0,5	black	21,4	262,0	480
88242050P	RE-2Y(St)Yv PiMF 24x2x0,5	black	23,1	313,0	590
88362050P	RE-2Y(St)Yv PiMF 36x2x0,5	black	26,4	465,0	830
88482050P	RE-2Y(St)Yv PiMF 48x2x0,5	black	32,0	616,0	1100
88022075P	RE-2Y(St)Yv PiMF 2x2x0,75	black	11,5	41,0	150
88042075P	RE-2Y(St)Yv PiMF 4x2x0,75	black	13,0	76,0	200
88062075P	RE-2Y(St)Yv PiMF 6x2x0,75	black	15,1	112,0	265
88082075P	RE-2Y(St)Yv PiMF 8x2x0,75	black	16,2	147,0	320
88102075P	RE-2Y(St)Yv PiMF 10x2x0,75	black	18,0	183,0	400
88122075P	RE-2Y(St)Yv PiMF 12x2x0,75	black	18,9	219,0	430
88162075P	RE-2Y(St)Yv PiMF 16x2x0,75	black	21,2	290,0	550
88162075P	RE-2Y(St)Yv PiMF 20x2x0,75	black	23,1	361,0	650
88162075P	RE-2Y(St)Yv PiMF 24x2x0,75	black	25,7	432,0	790
88022130P	RE-2Y(St)Yv PiMF 2x2x1,3	black	12,7	68,0	180
88042130P	RE-2Y(St)Yv PiMF 4x2x1,3	black	15,2	124,0	265
88082130P	RE-2Y(St)Yv PiMF 8x2x1,3	black	18,8	239,0	438
88122130P	RE-2Y(St)Yv PiMF 12x2x1,3	black	21,4	353,0	590
88162130P	RE-2Y(St)Yv PiMF 16x2x1,3	black	24,7	468,0	785
88242130P	RE-2Y(St)Yv PiMF 24x2x1,3	black	29,4	697,0	1100

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