



conductor material:	stranded bare Cu conductor, multi-wire
insulation:	special PVC
cores:	core identification to DIN 0815, cores twisted in pairs, 4 pairs forming a bunch; bunches twisted in layers to form a core assembly. In the case of two-paired cables 4 cores are twisted to form a star quad cable.
lapping:	lapped with plastic film
screening:	static screen made of plastic laminated metal foil and Cu tracer strand, tinned
outer sheath:	special PVC
sheath colour:	grey, preferably RAL 7032
peak operating voltage:	225 V (not approved for use as mains power cable)
test voltage/RMS (50Hz):	500 V = core/core 2000 V = core/screen
conductor (loop) resistance at +20°C:	max. 78.4 Ohm/km
insulation resistance:	≥100 MOhm x km
mutual capacitance at 800 Hz:	max. 100 nF/km (This value may be exceeded by up to 20% for cables consisting of up to 4 pairs)
capacitance coupling at 800 Hz:	max. 200 pF/100 m (20% of the values and at least one value are allowed to be up to 400 pF.)
bending radius:	10 x cable diameter stationary
temperature range:	-5 to +50°C flexible -30 to +70°C stationary
flame retardant:	to IEC 60332-1
application:	Industrial electronics cable with static screen for telecommunications and information processing systems in areas that are susceptible to interference. Designed for stationary installation. Used as connecting cable in dry and damp environments to meet stringent safety requirements. Exposed or concealed wiring use. Underground installation or use as mains power cable not permitted.

*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 Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
3502205ST	JE-LiY(St)Y 2 x 2 x 0,5	7,0	25,0	80
3504205ST	JE-LiY(St)Y 4 x 2 x 0,5	9,0	45,0	110
3508205ST	JE-LiY(St)Y 8 x 2 x 0,5	11,5	85,0	180
3512205ST	JE-LiY(St)Y 12 x 2 x 0,5	13,5	126,0	260
3516205ST	JE-LiY(St)Y 16 x 2 x 0,5	15,0	166,0	315
3520205ST	JE-LiY(St)Y 20 x 2 x 0,5	16,5	206,0	375
3524205ST	JE-LiY(St)Y 24 x 2 x 0,5	18,5	245,0	445
3532205ST	JE-LiY(St)Y 32 x 2 x 0,5	20,5	327,0	570
3540205ST	JE-LiY(St)Y 40 x 2 x 0,5	22,5	407,0	690