

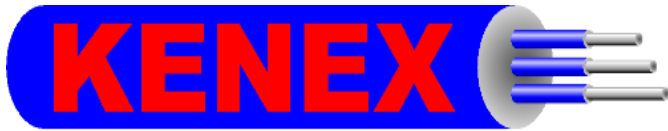


<b>conductor material:</b>	stranded bare Cu conductor 0.5qmm = 7x0.30 mm 1.0qmm = 7x0.43 mm
<b>insulation:</b>	special PVC, semi-rigid
<b>cores:</b>	core colours of pairs: pair 1: blue + red pair 2: grey + yellow pair 3: green + brown pair 4: white + black
<b>stranding:</b>	cores twisted in pairs, 4 cores twisted forming a bunch (in case of 2 pairs twisted to form a star quad), several bunches twisted in layers, identification of bunches by number coding on the film
<b>screening:</b>	static screen made of plastics laminated metal foil with multi-wire tinned tracer strand
<b>outer sheath:</b>	PVC
<b>sheath colour:</b>	grey
<b>peak operating voltage:</b>	225 V (not approved for use as mains power cable)
<b>test voltage:</b>	2000 V 50 Hz 1 min. = core/core 2000 V 50 Hz 1 min. = core/screen
<b>insulation resistance:</b>	≥100 MOhm x km
<b>conductor loop resistance:</b>	0.5 qmm = ca. 73.6 Ohm/km 1.0 qmm = ca. 36.8 Ohm/km
<b>mutual capacitance at 800 Hz:</b>	max. 100 nF/km max. 120 nF/km = 2 and 4 pairs
<b>capacitance coupling at 800 Hz:</b>	max. 200 pF/ 100 m (20% max. 400 pF/100m)
<b>wave impedance:</b>	0.5 qmm = 1 kHz approx. 370 Ohm + 10 kHz approx. 130 Ohm 1.0 qmm = 1 kHz approx. 250 Ohm + 10 kHz approx. 100 Ohm
<b>crosstalk attenuation at 10 kHz:</b>	min. 60 dB/500m
<b>conductor attenuation (approx.):</b>	0.5 qmm = 1 kHz 1.2 dB/km + 10 kHz 3.0 dB/km 1.0 qmm = 1 kHz 0.8 dB/km + 10 kHz 2.1 dB/km
<b>bending radius:</b>	7.5 x cable diameter
<b>temperature range:</b>	-5 to +50°C flexible -30 to +70°C stationary
<b>flame retardant:</b>	to IEC 60332-1
<b>application:</b>	Used in power plants and industrial facilities and in measuring and control technology. The static screen protects the transmission circuits against external electrical interference. The reduced and varying lay lengths provide optimum crosstalk attenuation. Analog and digital signals ensure transmission up to a frequency of about 10 kHz. Designed for stationary installation within closed buildings.

*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**

***RD-Y(St)Y***  
*Process control cable to VDE 0815*

<b>KENEX PART NUMBER</b>	<b>NUMBER CORES X CROSS SECTION MM<sup>2</sup></b>	<b>OUTER Ø APPROX. MM</b>	<b>COPPER WEIGHT KG/KM</b>	<b>CABLE WEIGHT KG/KM</b>
35RD02205	RD-Y(St)Y 02 x 2 x 0,5	6,0	25,0	55,0
35RD04205	RD-Y(St)Y 04 x 2 x 0,5	8,0	45,0	91,0
35RD08205	RD-Y(St)Y 08 x 2 x 0,5	11,5	85,0	158,0
35RD12005	RD-Y(St)Y 12 x 2 x 0,5	12,0	125,0	210,0
35RD16205	RD-Y(St)Y 16 x 2 x 0,5	13,7	165,0	280,0
35RD20205	RD-Y(St)Y 20 x 2 x 0,5	15,0	205,0	340,0
35RD24205	RD-Y(St)Y 24 x 2 x 0,5	16,3	245,0	390,0
35RD32205	RD-Y(St)Y 32 x 2 x 0,5	21,0	325,0	530,0
35RD40205	RD-Y(St)Y 40 x 2 x 0,5	21,8	405,0	640,0
35RD48205	RD-Y(St)Y 48 x 2 x 0,5	23,0	485,0	750,0
35RD80205	RD-Y(St)Y 80 x 2 x 0,5	28,8	805,0	1200,0
35RD96205	RD-Y(St)Y 96 x 2 x 0,5	30,5	965,0	1570,0
35RD02210	RD-Y(St)Y 02 x 2 x 1,0	7,6	51,0	120,0
35RD04210	RD-Y(St)Y 04 x 2 x 1,0	10,4	91,0	180,0
35RD08210	RD-Y(St)Y 08 x 2 x 1,0	15,2	171,0	310,0
35RD12210	RD-Y(St)Y 12 x 2 x 1,0	16,1	252,0	420,0
35RD16210	RD-Y(St)Y 16 x 2 x 1,0	18,2	332,0	560,0
35RD20210	RD-Y(St)Y 20 x 2 x 1,0	20,0	413,0	670,0
35RD24210	RD-Y(St)Y 24 x 2 x 1,0	21,9	493,0	810,0
35RD32210	RD-Y(St)Y 32 x 2 x 1,0	28,5	654,0	1040,0
35RD40210	RD-Y(St)Y 40 x 2 x 1,0	29,6	816,0	1290,0
35RD48210	RD-Y(St)Y 48 x 2 x 1,0	31,2	977,0	1520,0
35RD80210	RD-Y(St)Y 80 x 2 x 1,0	39,3	1617,0	2440,0