



conductor material:	stranded bare Cu conductor, fine wire
strand structure:	strand structure to VDE 0295, class 5
core insulation:	special PVC
cores:	black cores with printed consecutive number coding, cores twisted in layers, with optimal lay lengths
lapping:	film lapping
screening:	braided screening made of tinned copper wires
outer sheath:	special PVC
sheath colour:	blue RAL 5015

peak operating voltage:	300 V (not approved for use as mains power cable)
test voltage:	1500 V
insulation resistance:	at +20°C $\geq 20 \text{ Mohm} \times \text{km}$
bending radius:	15 x cable diameter
temperature range:	-5 to +70°C flexible -30 to +80°C stationary
flame retardant:	to IEC 60332-1

application:	Used as measuring and control cable in machine tool manufacturing, plant engineering and on assembly and production lines. Suitable for fixed installation or flexible applications in intrinsically safe areas. Unrestricted mobility without forced movement control and without exposure to tensile load. Installation in dry and damp environments. This cable type is a flexible PVC control 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.*

LiYCY-OZ EB

flexible control cable with overall screening and blue outer sheath for intrinsically safe equipment; preferred EMC compatible cable type

KENEX PART NUMBER	NUMBER CORES X CROSS SECTION MM ²	OUTER Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
4402075OZ	LiYCY-OZ EB 2 x 0,75	6,0	35,0	56
4403075OZ	LiYCY-OZ EB 3 x 0,75	6,3	46,0	70
4404075OZ	LiYCY-OZ EB 4 x 0,75	7,6	56,0	95
4405075OZ	LiYCY-OZ EB 5 x 0,75	7,6	70,0	130
4407075OZ	LiYCY-OZ EB 7 x 0,75	8,2	98,0	168
4408075OZ	LiYCY-OZ EB 8 x 0,75	9,4	110,0	145
4410075OZ	LiYCY-OZ EB 10 x 0,75	10,2	140,0	180
4412075OZ	LiYCY-OZ EB 12 x 0,75	10,8	148,0	232
4418075OZ	LiYCY-OZ EB 18 x 0,75	12,5	205,0	296
4420075OZ	LiYCY-OZ EB 20 x 0,75	12,9	238,0	362
4424075OZ	LiYCY-OZ EB 24 x 0,75	15,0	250,0	418
4425075OZ	LiYCY-OZ EB 25 x 0,75	15,1	278,0	420
4430075OZ	LiYCY-OZ EB 30 x 0,75	15,6	315,0	486
4434075OZ	LiYCY-OZ EB 34 x 0,75	16,9	350,0	523
4441075OZ	LiYCY-OZ EB 41 x 0,75	18,3	397,0	680
4402100OZ	LiYCY-OZ EB 2 x 1,00	6,3	55,0	84
4403100OZ	LiYCY-OZ EB 3 x 1,00	6,8	70,0	110
4404100OZ	LiYCY-OZ EB 4 x 1,00	7,3	80,0	130
4405100OZ	LiYCY-OZ EB 5 x 1,00	8,0	95,0	156
4407100OZ	LiYCY-OZ EB 7 x 1,00	8,6	120,0	192
4412100OZ	LiYCY-OZ EB 12 x 1,00	11,4	185,0	265
4416100OZ	LiYCY-OZ EB 16 x 1,00	13,4	220,0	361
4418100OZ	LiYCY-OZ EB 18 x 1,00	14,0	245,0	380
4420100OZ	LiYCY-OZ EB 20 x 1,00	14,8	270,0	388
4424100OZ	LiYCY-OZ EB 24 x 1,00	16,2	345,0	451
4425100OZ	LiYCY-OZ EB 25 x 1,00	16,2	350,0	534
4434100OZ	LiYCY-OZ EB 34 x 1,00	18,0	440,0	741
4402150OZ	LiYCY-OZ EB 2 x 1,50	7,5	65,0	97
4403150OZ	LiYCY-OZ EB 3 x 1,50	7,9	90,0	125
4404150OZ	LiYCY-OZ EB 4 x 1,50	8,5	110,0	165
4405150OZ	LiYCY-OZ EB 5 x 1,50	9,3	125,0	193
4407150OZ	LiYCY-OZ EB 7 x 1,50	10,5	159,0	245
4412150OZ	LiYCY-OZ EB 12 x 1,50	13,7	245,0	365
4416150OZ	LiYCY-OZ EB 16 x 1,50	15,5	315,0	465
4418150OZ	LiYCY-OZ EB 18 x 1,50	16,3	345,0	553
4420150OZ	LiYCY-OZ EB 20 x 1,50	17,1	375,0	635
4424150OZ	LiYCY-OZ EB 24 x 1,50	19,5	448,0	705
4425150OZ	LiYCY-OZ EB 25 x 1,50	19,5	500,0	705
4430150OZ	LiYCY-OZ EB 30 x 1,50	19,8	555,0	830
4424150OZ	LiYCY-OZ EB 34 x 1,50	20,8	645,0	900