



conductor material:	bare Cu conductor, fine wire
strand structure:	to VDE 0295, class 5 / IEC 60228 class 5
insulation:	special PVC
cores:	black cores with printed consecutive white number coding, green-yellow protective conductor (3cores and over) in the outer layer cores twisted in layers, with optimal lengths
outer sheath:	special PVC enhanced oil resistance
sheath colour:	grey RAL 7001

rated voltage:	300/500 V (U _o /U) = VDE 600 V = UL (Style 2587) + CSA
test voltage:	3000 V
insulation resistance:	≥ 20 MOhm x km
bending radius:	15 x cable diameter
temperature range flexible:	- 5°C to + 70°C (UL +90°C)
temperature range fixed:	- 40°C to + 70°C (UL +90°C)
max. permitted operating temperature on conductor:	+70°C
flame retardant:	to IEC 60332-1

application: Control cable for stationary installation or flexible applications. Used as measuring and control cable in machine tool manufacturing, plant engineering and on assembly and production lines. Suitable for unrestricted mobility without forced movement control and without exposure to tensile load. Used as energy or connection cable in dry damp and wet environments to meet stringent safety requirements. Owing to its UL, CSA and HAR approvals, this cable type is ideal for foreign markets. When used for outdoor applications, adequate protection against direct exposure to sunlight must be ensured and the specified temperature limits must be observed.

*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
1903050Q	H05VV5-F four approvals 3 G 0,50	6,2	14,4	45
1904050Q	H05VV5-F four approvals 4 G 0,50	6,8	19,2	60
1905050Q	H05VV5-F four approvals 5 G 0,50	7,4	24,0	65
1907050Q	H05VV5-F four approvals 7 G 0,50	9,1	33,6	85
1912050Q	H05VV5-F four approvals 12 G 0,50	11,1	58,0	115
1918050Q	H05VV5-F four approvals 18 G 0,50	13,0	86,0	195
1925050Q	H05VV5-F four approvals 25 G 0,50	16,0	120,0	370
1934050Q	H05VV5-F four approvals 34 G 0,50	18,1	163,0	500
1941050Q	H05VV5-F four approvals 41 G 0,50	19,7	197,0	590
1950050Q	H05VV5-F four approvals 50 G 0,50	21,2	240,0	710
1961050Q	H05VV5-F four approvals 61 G 0,50	23,8	293,0	830
1903075Q	H05VV5-F four approvals 3 G 0,75	6,6	22,0	61
1904075Q	H05VV5-F four approvals 4 G 0,75	7,3	28,8	75
1905075Q	H05VV5-F four approvals 5 G 0,75	8,1	36,0	100
1907075Q	H05VV5-F four approvals 7 G 0,75	9,8	50,0	141
1912075Q	H05VV5-F four approvals 12 G 0,75	12,1	86,0	214
1918075Q	H05VV5-F four approvals 18 G 0,75	14,0	130,0	306
1925075Q	H05VV5-F four approvals 25 G 0,75	17,2	180,0	427
1934075Q	H05VV5-F four approvals 34 G 0,75	19,5	245,0	590
1941075Q	H05VV5-F four approvals 41 G 0,75	21,5	296,0	710
1950075Q	H05VV5-F four approvals 50 G 0,75	23,3	360,0	807
1961075Q	H05VV5-F four approvals 61 G 0,75	25,8	439,0	985
1903100Q	H05VV5-F four approvals 3 G 1,00	7,1	28,8	71
1904100Q	H05VV5-F four approvals 4 G 1,00	7,7	38,4	89
1905100Q	H05VV5-F four approvals 5 G 1,00	8,8	48,0	116
1907100Q	H05VV5-F four approvals 7 G 1,00	10,4	67,0	166
1912100Q	H05VV5-F four approvals 12 G 1,00	12,8	115,2	251
1918100Q	H05VV5-F four approvals 18 G 1,00	15,2	172,8	385
1925100Q	H05VV5-F four approvals 25 G 1,00	18,5	240,0	534
1934100Q	H05VV5-F four approvals 34 G 1,00	21,0	326,4	700
1941100Q	H05VV5-F four approvals 41 G 1,00	22,7	394,0	815
1950100Q	H05VV5-F four approvals 50 G 1,00	25,2	480,0	993
1961100Q	H05VV5-F four approvals 61 G 1,00	27,5	585,6	1173
1903150Q	H05VV5-F four approvals 3 G 1,50	8,4	43,2	92
1904150Q	H05VV5-F four approvals 4 G 1,50	9,2	57,6	125
1905150Q	H05VV5-F four approvals 5 G 1,50	10,3	72,0	155
1907150Q	H05VV5-F four approvals 7 G 1,50	12,5	100,8	227
1912150Q	H05VV5-F four approvals 12 G 1,50	14,7	172,8	330
1918150Q	H05VV5-F four approvals 18 G 1,50	18,3	259,2	506
1925150Q	H05VV5-F four approvals 25 G 1,50	22,2	360,0	700
1934150Q	H05VV5-F four approvals 34 G 1,50	24,6	489,6	920
1941150Q	H05VV5-F four approvals 41 G 1,50	26,3	590,0	1060
1950150Q	H05VV5-F four approvals 50 G 1,50	28,9	720,0	1320
1961150Q	H05VV5-F four approvals 61 G 1,50	31,4	878,4	1560

KENEX PART NUMBER	NUMBER CORES X CROSS SECTION MM ²	OUTER Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
1903250Q	H05VV5-F four approvals 3 G 2,50	9,9	72,0	146
1904250Q	H05VV5-F four approvals 4 G 2,50	11,1	96,0	196
1905250Q	H05VV5-F four approvals 5 G 2,50	12,1	120,0	235
1907250Q	H05VV5-F four approvals 7 G 2,50	14,7	168,0	343
1912250Q	H05VV5-F four approvals 12 G 2,50	18,1	288,0	535
1918250Q	H05VV5-F four approvals 18 G 2,50	21,8	432,0	800
1925250Q	H05VV5-F four approvals 25 G 2,50	26,0	600,0	1100
1935250Q	H05VV5-F four approvals 34 G 2,50	29,5	816,0	1436
1950250Q	H05VV5-F four approvals 50 G 2,50	35,0	1200,0	2070