

Teknik Veriler / Technical Data

**Çalışma gerilimi**
Operating voltage
300/500 V**İzolasyon direnci**
Insulation resistance
Min 20 Mohm x Km**Çalışma sıcaklığı**
Operating temperature
-30 ...+70°C**Bükme yarıçapı**
Bending radius
Min. 10 x Ø**Test gerilimi**
Test voltage
2000 V**Kapasite (800 Hz)**
Capacitance (800 Hz)
Max. 120 pf/m**Kısa devre sıcaklığı Max.**
Short-circuit temperature Max.
160°C**Alev iletme**
Flame retardant
IEC 60332-1-2**Yağa dayanım**
Oil resistant

H05VVC4V5-K

300/500V



Kullanım Alanları

Bu kablolar, makinelerde ölçme ve kontrol kablosu, konveyör bağlantıları, makine üretim üretim hatları, klimalar ve çelik üretimi gibi mekanik gerilmelerin olmadığı yada hafif şiddet gerilmeli, hareket zorlamasız kuru, nemli ve ıslak yerlerde kullanılır.

Applications

These cables are suitable for flexible use for medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms but not suitable for open air, as measuring and control cables in tool machines, conveyor belts, production lines in machinery production, in air-conditioning and in steel production.

Kablo Yapısı / Cable Structure

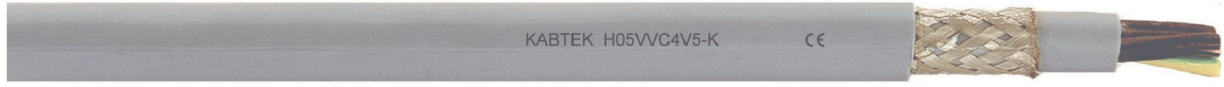
İletken Conductor	: Tavlı bükülü bakır tel (HD 383 S2 Class 5) : Annealed stranded copper wire (HD 383 S2 Class 5)
İzolasyon Insulation	: PVC bileşik (HD 21.1 S4 / T11) : PVC compound (HD 21.1 S4 / T11)
Damar renkleri Core Identification	: Sarı/Yeşil ve numaralı damarlar : Green/Yellow and numbered cores
Büküm Lay-up	: Katlar halinde bükülür : In layers stranding
İç kılıf Inner sheath	: PVC bileşik : PVC compound
Ekran Screen	: Kalaylı bakır örgü ekran : Tinned copper braid screen
Dış kılıf Outer sheath	: Yağa dayanıklı PVC bileşik (HD 21.1 S4 / TM5) : Oil resistance PVC compound (HD 21.1 S4 / TM5)
Kılıf Rengi Sheath Color	: RAL 7001 gri : RAL 7001 grey

Uygulanan Testler / Applied Tests

Yapısal boyut testleri Structural dimension tests	: DIN VDE 472 Teil 401, 402
Mekanik testler Mechanical tests	: DIN VDE 472 Teil 303, 602, 603, 604, 608, 609, 610, 612 620, 804, 808
Elektriksel testler Electrical tests	: DIN VDE 472 Teil 502, 504, 509, 510
Yangın performans testleri Fire performance tests	: VDE 0482-332-1-2

Damar Sayısı x İletken Kesiti (mm ²)	Dış Çap yaklaşık (mm)	Bakır Faktörü (kg/km)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm ²)	O.D approx (mm)	Copper Factor (kg/km)	Cable Weight approx (kg/km)
2x0.5	8.0	41.0	92.0
3G0.5	8.4	45.0	109.0
4G0.5	9.1	54.0	126.0
5G0.5	10.1	66.0	156.0
6G0.5	10.7	73.9	176.0
7G0.5	11.4	79.0	192.0
8G0.5	12.5	82.0	211.0
9G0.5	12.5	94.0	230.0
12G0.5	13.5	137.0	280.0

Damar Sayısı x İletken Kesiti (mm ²)	Dış Çap yaklaşık (mm)	Bakır Faktörü (kg/km)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm ²)	O.D approx (mm)	Copper Factor (kg/km)	Cable Weight approx (kg/km)
14G0.5	14.2	142.0	302.0
18G0.5	15.8	156.0	384.0
25G0.5	18.6	250.0	556.0
27G0.5	18.6	255.0	599.0
34G0.5	20.8	316.0	634.0
36G0.5	20.8	320.0	620.0
41G0.5	23.0	348.0	770.0
50G0.5	25.0	407.0	970.0
61G0.5	26.8	520.0	1072.0



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Damar Sayısı x İletken Kesiti (mm ²)	Dış Çap yaklaşık (mm)	Bakır Faktörü (kg/km)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm ²)	O.D approx (mm)	Copper Factor (kg/km)	Cable Weight approx (kg/km)
65G0,5	28,4	563,0	1198,0
2x0,75	8,3	46,0	102,0
3G0,75	8,8	57,0	115,0
4G0,75	9,8	63,0	150,0
5G0,75	10,8	76,0	173,0
6G0,75	11,4	82,0	195,0
7G0,75	12,1	100,0	235,0
8G0,75	12,7	112,0	268,0
9G0,75	13,8	130,0	285,0
12G0,75	14,3	175,0	327,0
14G0,75	14,4	190,0	362,0
18G0,75	16,9	240,0	488,0
25G0,75	20,0	306,0	654,0
27G0,75	20,0	326,0	708,0
34G0,75	22,1	346,0	821,0
36G0,75	22,1	358,0	899,0
41G0,75	23,9	403,0	970,0
50G0,75	26,8	470,0	1160,0
61G0,75	29,4	550,0	1402,0
65G0,75	31,2	594,0	1504,0
2x1	8,6	54,0	114,0
3G1	9,3	64,0	142,0
4G1	10,2	76,0	175,0
5G1	11,0	89,0	205,0
6G1	11,8	101,0	236,0
7G1	12,9	114,0	264,0
8G1	13,6	130,0	301,0
9G1	14,4	144,0	335,0
12G1	15,6	186,0	420,0
14G1	15,7	198,0	433,0
18G1	17,4	284,0	561,0
19G1	17,4	307,0	584,0
25G1	21,1	387,0	766,0
27G1	21,9	410,0	822,0
34G1	24,1	500,0	996,0
36G1	23,8	511,0	1001,0
37G1	25,1	523,0	1018,0
41G1	26,0	578,0	1155,0
50G1	28,5	681,0	1300,0
61G1	30,1	710,0	1500,0

Damar Sayısı x İletken Kesiti (mm ²)	Dış Çap yaklaşık (mm)	Bakır Faktörü (kg/km)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm ²)	O.D approx (mm)	Copper Factor (kg/km)	Cable Weight approx (kg/km)
65G1	32,4	914,0	1510,0
2x1,5	9,1	64,0	146,0
3G1,5	10,2	82,0	176,0
4G1,5	10,9	99,0	207,0
5G1,5	11,6	123,0	235,0
6G1,5	12,4	125,0	279,0
7G1,5	13,5	148,0	314,0
8G1,5	15,6	172,0	345,0
9G1,5	15,6	187,0	380,0
12G1,5	16,8	274,0	500,0
14G1,5	18,3	294,0	560,0
18G1,5	20,0	386,0	707,0
19G1,5	20,4	394,0	723,0
25G1,5	24,2	531,0	950,0
27G1,5	24,6	546,0	1014,0
32G1,5	26,0	638,0	1133,0
34G1,5	26,3	671,0	1204,0
36G1,5	27,7	700,0	1261,0
37G1,5	27,7	720,0	1300,0
41G1,5	29,1	840,0	1453,0
50G1,5	34,0	997,0	1663,0
61G1,5	36,5	1120,0	1852,0
65G1,5	38,1	1197,0	1971,0
2x2,5	11,4	110,0	190,0
3G2,5	11,7	148,0	243,0
4G2,5	12,8	169,0	280,0
5G2,5	13,9	220,0	342,0
7G2,5	15,9	284,0	439,0
8G2,5	18,7	314,0	489,0
12G2,5	20,6	470,0	760,0
14G2,5	22,5	504,0	890,0
18G2,5	24,3	572,0	1052,0
25G2,5	29,0	740,0	1375,0
27G2,5	29,8	971,0	1507,0
34G2,5	33,0	1179,0	1892,0
36G2,5	33,3	1268,0	1998,0
41G2,5	36,0	1473,0	2286,0
50G2,5	38,5	1660,0	2673,0
61G2,5	42,0	1992,0	3085,0

* Direkt olarak toprak altına gömülmesi önerilmez.

* G = Sarı/yeşil toprak damarlı, X = Toprak damarsız

* Standart ambalajlama

Kangal < 30 kg ve 250 mt < Makara

* Akım taşıma kapasiteleri için teknik eklere bakınız

* Not recommended for direct underground burial.

* G = With green/yellow earth core, X = without earth core

* Standard packaging

Coil < 30 kg and 250 mt < Drum

* See the technical annexes for current carrying capacities.