

# M E S C

Middle East Specialized Cable

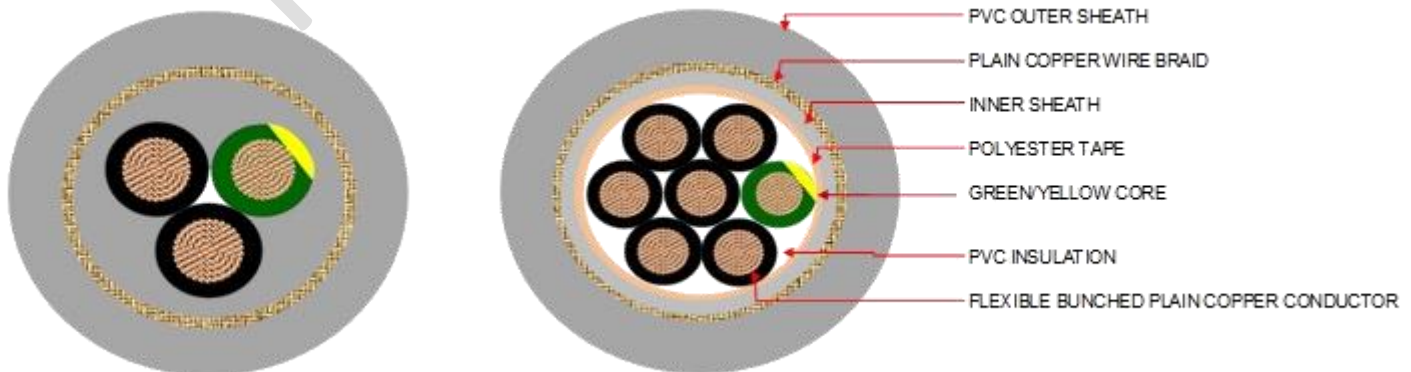
## H05VVC4V5-K FLEXIBLE CABLES



**Application:** These cables are recommended for all electrical installations in dry and humid locations. These cables are especially suitable for control purposes in machine tool manufacturing, conveyor and assembly lines subject to medium mechanical stresses for fixed or flexible installation.

Construction		Technical Data	
Conductor	: Plain copper bunched as per class 5 of VDE-0295.	Specification	: VDE-0250.
Insulation	: PVC type TI 2 as per VDE 0207. Black cores with white numbers. Cables with three or more cores shall have one green / yellow core. The number of cores indicated in the tables includes the green / yellow core.	Temperature range. Stationary	: - 30°C to +80°C
Assembly	: Cores are laid up in layers with the green/yellow core in the outermost layer. The assembly is covered with a polyester binder if necessary.	Flexing	: - 5°C to +70°C
Inner sheath	: PVC type TM-2 as per VDE 0207.	Working voltage	: 300/500 Volts
Screening	: Braiding of plain copper wire with 85% coverage.	Minimum bending radius.	: 15 X cable diameter.
Outer sheath	: Grey colored Oil resistant PVC type YM-2 as per VDE 0207. Flame retardant to IEC-332-1.	Conductor resistance	: As per class-5 of VDE-0295.
		Test voltage	: 2000 V. for 5 minutes.

### CROSS SECTION DRAWING:



## H05VVC4V5-K FLEXIBLE CABLES

SIZE sq.mm	MESC CODE	No. of Cores	Maximum cond. strands diameter mm	Insulation thickness mm	Sheath thickness mm	Approx. O. D. mm	Approx. weight kg/km
0.5	5981-03C00050-U1GY8-00	3	0.21	0.6	1.0	9.1	115
	5981-04C00050-U1GY8-00	4	0.21	0.6	1.0	9.9	135
	5981-05C00050-U1GY8-00	5	0.21	0.6	1.2	10.9	165
	5981-06C00050-U1GY8-00	6	0.21	0.6	1.2	11.6	180
	5981-07C00050-U1GY8-00	7	0.21	0.6	1.2	11.6	190
	5981-08C00050-U1GY8-00	8	0.21	0.6	1.2	12.6	215
	5981-10C00050-U1GY8-00	10	0.21	0.6	1.2	14.1	265
	5981-12C00050-U1GY8-00	12	0.21	0.6	1.2	14.5	290
	5981-14C00050-U1GY8-00	14	0.21	0.6	1.2	15.0	315
	5981-16C00050-U1GY8-00	16	0.21	0.6	1.5	16.6	385
	5981-19C00050-U1GY8-00	19	0.21	0.6	1.5	17.3	420
	5981-24C00050-U1GY8-00	24	0.21	0.6	1.8	20.1	530
	5981-27C00050-U1GY8-00	27	0.21	0.6	1.8	20.4	565
	5981-30C00050-U1GY8-00	30	0.21	0.6	1.8	21.0	605
5981-37C00050-U1GY8-00	37	0.21	0.6	1.8	22.6	715	
5981-48C00050-U1GY8-00	48	0.21	0.6	2.1	26.0	925	

Packing: Wooden drums of 500/1000 Meters.

SIZE sq.mm	MESC CODE	No. of Cores	Maximum cond. strands diameter mm	Insulation thickness mm	Sheath thickness mm	Approx. O. D. mm	Approx. weight kg/km
0.75	5981-03C00075-U1GY8-00	3	0.21	0.6	1.0	9.6	130
	5981-04C00075-U1GY8-00	4	0.21	0.6	1.2	10.8	165
	5981-05C00075-U1GY8-00	5	0.21	0.6	1.2	11.5	185
	5981-06C00075-U1GY8-00	6	0.21	0.6	1.2	12.2	205
	5981-07C00075-U1GY8-00	7	0.21	0.6	1.2	12.2	220
	5981-08C00075-U1GY8-00	8	0.21	0.6	1.2	13.6	265
	5981-10C00075-U1GY8-00	10	0.21	0.6	1.2	14.9	310
	5981-12C00075-U1GY8-00	12	0.21	0.6	1.2	15.3	340
	5981-14C00075-U1GY8-00	14	0.21	0.6	1.5	16.9	410
	5981-16C00075-U1GY8-00	16	0.21	0.6	1.5	17.6	445
	5981-19C00075-U1GY8-00	19	0.21	0.6	1.8	18.9	520
	5981-24C00075-U1GY8-00	24	0.21	0.6	1.8	21.3	625
	5981-27C00075-U1GY8-00	27	0.21	0.6	1.8	21.7	670
	5981-30C00075-U1GY8-00	30	0.21	0.6	1.8	22.7	740
5981-37C00075-U1GY8-00	37	0.21	0.6	2.1	24.7	885	
5981-48C00075-U1GY8-00	48	0.21	0.6	2.1	27.7	1105	

SIZE sq.mm	MESC CODE	No. of Cores	Maximum cond. strands diameter mm	Insulation thickness mm	Sheath thickness mm	Approx. O. D. mm	Approx. weight kg/km
1.0	5981-02C00100-U1GY8-00	2	0.21	0.6	0.9	9.3	145
	5981-03C00100-U1GY8-00	3	0.21	0.6	1.0	10.2	150
	5981-04C00100-U1GY8-00	4	0.21	0.6	1.2	11.2	180
	5981-05C00100-U1GY8-00	5	0.21	0.6	1.2	12.0	205
	5981-06C00100-U1GY8-00	6	0.21	0.6	1.2	12.7	230
	5981-07C00100-U1GY8-00	7	0.21	0.6	1.2	12.7	245
	5981-08C00100-U1GY8-00	8	0.21	0.6	1.2	14.2	295
	5981-10C00100-U1GY8-00	10	0.21	0.6	1.5	16.6	385
	5981-12C00100-U1GY8-00	12	0.21	0.6	1.5	17.1	425
	5981-14C00100-U1GY8-00	14	0.21	0.6	1.5	17.7	465
	5981-16C00100-U1GY8-00	16	0.21	0.6	1.8	19.0	530
	5981-19C00100-U1GY8-00	19	0.21	0.6	1.8	19.8	590
	5981-24C00100-U1GY8-00	24	0.21	0.6	1.8	22.8	735
	5981-27C00100-U1GY8-00	27	0.21	0.6	1.8	23.2	790
5981-30C00100-U1GY8-00	30	0.21	0.6	2.1	24.4	880	
5981-37C00100-U1GY8-00	37	0.21	0.6	2.1	25.9	1015	

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5981-48C00100-U1GY8-00	48	0.21	0.6	2.4	30.1	1340
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SIZE sq.mm	MESC Code	No. of Cores	Maximum cond. strands diameter mm	Insulation thickness mm	Sheath thickness mm	Approx O. D. mm	Approx. weight Kg/Km
1.5	5981-03C00150-U1GY8-00	3	0.26	0.6	1.0	10.7	184
	5981-04C00150-U1GY8-00	4	0.26	0.6	1.0	11.2	210
	5981-05C00150-U1GY8-00	5	0.26	0.6	1.1	12.2	245
	5981-06C00150-U1GY8-00	6	0.26	0.6	1.2	13.4	299
	5981-07C00150-U1GY8-00	7	0.26	0.6	1.2	14.4	332
	5981-08C00150-U1GY8-00	8	0.26	0.6	1.3	16.1	400
	5981-10C00150-U1GY8-00	10	0.26	0.6	1.4	16.2	431
	5981-12C00150-U1GY8-00	12	0.26	0.6	1.5	18.2	522
	5981-14C00150-U1GY8-00	14	0.26	0.6	1.5	18.6	576
	5981-16C00150-U1GY8-00	16	0.26	0.6	1.6	19.7	651
	5981-19C00150-U1GY8-00	19	0.26	0.6	1.7	20.7	725
	5981-25C00150-U1GY8-00	25	0.26	0.6	2.0	25.9	1074
	5981-27C00150-U1GY8-00	27	0.26	0.6	2.0	26.0	1129
	5981-30C00150-U1GY8-00	30	0.26	0.6	2.1	26.9	1223
5981-37C00150-U1GY8-00	37	0.26	0.6	2.2	29.3	1466	
5981-47C00150-U1GY8-00	47	0.26	0.6	2.4	33.4	1860	

Packing: Wooden drums of 500/1000 Meters.

SIZE sq.mm	MESC CODE	No. of Cores	Maximum cond. strands diameter mm	Insulation thickness mm	Sheath thickness mm	Approx. O. D. mm	Approx. weight kg/km
2.5	5981-03C00250-U1GY8-00	3	0.26	0.7	1.2	12.5	230
	5981-04C00250-U1GY8-00	4	0.26	0.7	1.2	13.5	280
	5981-05C00250-U1GY8-00	5	0.26	0.7	1.2	14.5	325
	5981-06C00250-U1GY8-00	6	0.26	0.7	1.2	15.5	370
	5981-07C00250-U1GY8-00	7	0.26	0.7	1.2	15.5	400
	5981-08C00250-U1GY8-00	8	0.26	0.7	1.8	18.9	530
	5981-10C00250-U1GY8-00	10	0.26	0.7	1.8	20.7	630
	5981-12C00250-U1GY8-00	12	0.26	0.7	1.8	21.3	700
	5981-14C00250-U1GY8-00	14	0.26	0.7	1.8	22.5	800
	5981-16C00250-U1GY8-00	16	0.26	0.7	1.8	23.5	880
	5981-19C00250-U1GY8-00	19	0.26	0.7	2.1	25.2	1025
	5981-24C00250-U1GY8-00	24	0.26	0.7	2.1	29.0	1275
	5981-27C00250-U1GY8-00	27	0.26	0.7	2.4	30.2	1420
	5981-30C00250-U1GY8-00	30	0.26	0.7	2.4	31.0	1530
5981-37C00250-U1GY8-00	37	0.26	0.7	2.4	33.0	1790	
5981-48C00250-U1GY8-00	48	0.26	0.7	2.7	38.2	2345	

SIZE sq.mm	MESC CODE	No. of Cores	Maximum cond. strands diameter mm	Insulation thickness mm	Sheath thickness mm	Approx. O. D. mm	Approx. weight kg/km
4.0	5981-04C00400-U1GY8-00	4	0.31	1.0	1.4	16.5	488
16	5981-04C01600-U1GY8-00	4	0.41	1.0	1.8	26.0	1394

Packing: Wooden drums of 500/1000 Meters