



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	PVC compound, TI2 type (EN 50363)
Inner Sheath	PVC compound, TM2 type (50363-4-1)
Screen	Tinned copper wire braiding
Sheath	PVC compound, TM5 type (Oil Resistant and Flame Retardant, EN 50363-4-1)
Color	Grey

MAIN CHARACTERISTICS

Construction	EN 50525-2-51
General Requirements	EN 50525-1/2, EN 50575
Guide to Use	EN 50565-1/2
Electrical Tests	EN 50395
Non - electrical Tests	EN 50396
Conductor Resistance	IEC 60228, VDE 0295, BS 6360
Flame Retardant	IEC 60332-1-2
Oil Resistant	IEC 60811-404, VDE 0473-811-404

OPERATING CHARACTERISTICS

Rated Voltage	300/500 V (U ₀ /U)
AC Test Voltage	2 kV
Working Temperature	
<i>In Flexing Use</i>	-5°C to +70°C
<i>In Fixed Use</i>	-30°C to +70°C
Conductor Short-Circuit Temp.	150°C (Max. 5 sec)
Min. Installation Temp.	5°C
Min. Bending Radius	EN 50565-1 Tab. 3
Current Carrying Capacities	VDE 0298-4 Tab.11

APPLICATIONS

These flexible cables are used as signal and control cables for machines, production lines, control systems, assembly lines, measuring systems and data processing where there is low mechanical stress exist. They can be used in dry, wet, oily and damp places inside and also outdoor temporarily. Also resistant for various chemicals. It's shielded for against electromagnetic disturbances.



H05VVC4V5-K (NYSLYCYÖ-JZ)

PVC Insulated
Oil Resistant
Screened Control Cable

Cross Section (mm²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
2x0,50	8,00	92	40	39,00
2x0,75	8,40	104	42	26,00
2x1	8,80	116	44	19,50
2x1,5	10,00	154	50	13,30
2x2,5	11,40	200	57	7,98
3x0,50	8,40	104	42	39,00
3x0,75	8,80	118	44	26,00
3x1	9,40	136	47	19,50
3x1,5	10,30	167	52	13,30
3x2,5	12,00	233	72	7,98
4x0,50	8,90	117	45	39,00
4x0,75	9,60	140	48	26,00
4x1	10,10	157	51	19,50
4x1,5	11,30	201	57	13,30
4x2,5	13,60	297	82	7,98
5x0,50	9,80	140	49	39,00
5x0,75	10,30	163	52	26,00
5x1	11,00	190	55	19,50
5x1,5	12,50	248	75	13,30
5x2,5	14,80	360	89	7,98
6x0,50	10,30	156	52	39,00
6x0,75	11,10	188	56	26,00
6x1	11,70	214	59	19,50
6x1,5	13,80	301	83	13,30
6x2,5	16,00	421	96	7,98
7x0,50	11,30	187	57	39,00
7x0,75	12,20	225	73	26,00
7x1	13,00	261	78	19,50
7x1,5	15,10	363	91	13,30
7x2,5	16,80	474	101	7,98
12x0,50	13,80	275	83	39,00
12x0,75	14,60	323	88	26,00

Cross Section (mm²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
12x1	15,60	378	94	19,50
12x1,5	17,50	484	105	13,30
12x2,5	21,00	728	126	7,98
18x0,50	15,50	356	93	39,00
18x0,75	16,90	441	101	26,00
18x1	17,90	507	107	19,50
18x1,5	20,30	671	122	13,30
18x2,5	24,60	910	148	7,98
27x0,50	18,60	492	112	39,00
27x0,75	20,20	611	121	26,00
27x1	21,40	710	128	19,50
27x1,5	25,30	1000	152	13,30
27x2,5	29,80	1440	179	7,98
36x0,50	20,70	621	124	39,00
36x0,75	22,30	751	134	26,00
36x1	23,90	900	143	19,50
36x1,5	28,40	1286	170	13,30
36x2,5	33,20	1865	199	7,98
48x0,50	23,60	792	142	39,00
48x0,75	26,00	1026	156	26,00
48x1	28,20	1233	169	19,50
48x1,5	32,50	1676	195	13,30
48x2,5	37,80	2406	227	7,98
60x0,50	26,10	981	157	39,00
60x0,75	28,30	1220	170	26,00
60x1	30,10	1421	181	19,50
60x1,5	35,00	1946	210	13,30
60x2,5	40,80	2812	245	7,98