

These unscreened multicore flexible hoist cables are designed for use in conveyor and hoisting equipment, and as feed cable for mobile machine components etc.

Suitable for indoor use in dry, wet or moist environments.

Construction

stranded plain or tinned copper conductors

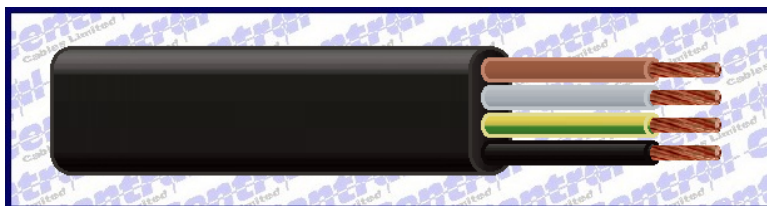
PVC core insulation, cores laid parallel

black polyvinylchloride (PVC) sheath

Technical

harmonised codes:	H05VVH6-F = usually up to 1mm ² H07VVH6-F = usually 1.5mm ² & above
conductor stranding:	according to class 5 (VDE 0295/IEC 60228/BS EN 60228:2005)
bend radius:	10x depth of cable
voltage rating:	H05VVH6-F = 300/500V operating, 2000 V test H07VVH6-F = 450/750V operating, 2500 V test
current rating:	see Flat, Crane & Drum Reeling chart
temperature range:	flexible -0°C to +60°C, static -15°C to +60°C (some versions suitable for +70°C maximum)
standards:	flame retardant according to IEC 60332-1
core identification:	3-5 cores = coloured to VDE 0293 including green/yellow earth 6+ cores = numbered black cores including green/yellow earth

Conductors		Cable Overall			Conductors		Cable Overall		
No. of	Area (mm ²)	Depth (mm)	Width (mm)	Weight (kg/km)	No. of	Area (mm ²)	Depth (mm)	Width (mm)	Weight (kg/km)
4	0.75	4.0-4.5	12.4-13.2	100	20	0.75	4.0-4.5	54.5-55.3	424
5	0.75	4.0-4.5	15.6-16.3	115	24	0.75	4.0-4.5	64.8-65.8	509
6	0.75	4.0-4.5	18.7-19.4	141					
8	0.75	4.0-4.5	24.9-25.7	190	3	1.0	4.2-4.7	10.5-11.0	80
9	0.75	4.0-4.5	25.8-26.6	200	4	1.0	4.2-4.7	13.1-13.7	115
10	0.75	4.0-4.5	29.6-30.5	224	5	1.0	4.2-4.7	15.7-16.3	135
12	0.75	4.0-4.5	33.3-34.0	260	6	1.0	4.2-4.7	20.0-20.8	161
16	0.75	4.0-4.5	43.9-44.9	340	8	1.0	4.2-4.7	26.0-26.8	220
18	0.75	4.0-4.5	49.2-51.0	390	9	1.0	4.2-4.7	27.9-28.7	230



Conductors		Cable Overall		
No. of	Area (mm ²)	Depth (mm)	Width (mm)	Weight (kg/km)
10	1.0	4.2-4.7	20.4-30.2	256
12	1.0	4.2-4.7	35.5-36.4	392
16	1.0	4.2-4.7	47.6-48.5	495
18	1.0	4.2-4.7	50.0-52.8	580
20	1.0	4.2-4.7	58.5-59.5	660
24	1.0	4.2-4.7	70.4-71.5	733
4	1.5	4.5-5.2	13.7-15.5	150
5	1.5	4.5-5.2	16.4-19.7	180
7	1.5	4.5-5.2	23.5-27.0	250
8	1.5	4.5-5.2	26.8-29.0	288
10	1.5	4.5-5.2	33.8-36.5	350
12	1.5	4.5-5.2	38.9-42.0	422
14	1.5	4.5-5.2	46.5-47.3	490
16	1.5	4.5-5.2	51.5-53.5	560
18	1.5	4.5-5.6	58.0-60.5	634
24	1.5	4.5-5.6	82.5-83.3	820
4	2.5	5.5-6.0	17.0-21.0	219
5	2.5	5.5-6.0	21.0-24.0	258
7	2.5	5.5-6.0	30.0-32.5	372
8	2.5	5.5-6.0	31.9-35.0	398
12	2.5	5.5-6.0	47.1-52.5	608
16	2.5	5.5-6.0	54.6-55.4	674
24	2.5	14.8-15.2	62.5-63.3	1073
24	2.5	5.5-6.0	94.0-120	1197

Conductors		Cable Overall		
No. of	Area (mm ²)	Depth (mm)	Width (mm)	Weight (kg/km)
4	4.0	6.5-7.9	20.0-21.8	343
5	4.0	6.5-7.9	26.0-27.4	428
7	4.0	6.5-7.9	36.6-38.0	590
12	4.0	6.5-7.9	57.7-58.7	880
4	6.0	7.2-8.5	23.0-25.0	425
5	6.0	7.2-8.5	31.0-32.0	530
7	6.0	7.2-8.5	39.5-42.6	760
4	10.0	9.0-10.5	28.9-30.5	710
5	10.0	9.0-10.5	37.9-38.5	836
4	16.0	10.8-13.0	34.4-38.7	1015
5	16.0	10.8-13.0	43.0-46.6	1370
4	25.0	13.0-15.5	42.0-45.5	1518
5	25.0	13.0-15.5	55.0-56.0	2000
4	35.0	14.8-16.0	47.6-50.5	2100
4	50.0	16.5-18.2	56.0-58.0	2940
4	70.0	19.2-20.2	64.2-66.0	4090
4	95.0	20.5-21.5	73.0-75.0	4520

PVC properties: fairly tough & flexible material with fair abrasive resistance, good resistance to water, aqueous salt solutions, acids and alkalis, moderate/poor resistance against organic solvents and oils. Oil resistant PVC (polyvinylchloride) is commonly available.

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