



These multicore screened flexible hoist cables are designed for transmission of data and signals on cranes, on hoisting gear and conveyor systems.

The tinned or plain copper wire braid screening provides protection against electrical interference and renders the cable suitable for EMC critical use.

For indoor applications in dry, wet and moist areas and at low temperatures.

Construction

stranded plain copper conductors

polyvinylchloride (PVC) core insulation

tinned or plain copper wire braid screening
(can be screened individually or in bundles)

screened cores or bunches laid parallel

black PVC outer sheath

Technical

conductor stranding:	according to class 5 (VDE 0295/IEC 60228/BS EN 60228:2005)
bend radius:	10x depth of cable
voltage rating:	300/500V operating, 1200V test
current rating:	see Flat, Crane & Drum Reeling chart
temperature range:	-5°C to +70°C flexible, -40°C to +70°C static
standards:	flame retardant according to IEC 60332-1
core identification:	see chart below – please check if critical as this may vary

Conductors		Lay-up & Screening Type	Most Common Identification (may vary)	Cable Overall		
Number of	Area (mm ²)			Depth (mm)	Width (mm)	Weight (kg/km)
5	0.5	Individual	JB: blk. grey, brn, blue, grn/yel	3.4-5.0	21.0-22.0	140
20	0.5	5 bundles of 4	CC: blue, red, green, yellow	6.7-7.7	36.9-37.9	280
28	0.5	7 bundles of 4	CC: blue, red, green, yellow	9.8-10.8	45.0-55.0	745
56	0.5	8 bundles of 7	OZ: white numbering, no earth	11.2-12.2	67.6-69.6	1180
4	0.75	Individual	JB: black. grey, brown, grn/yel	4.5-5.5	14.5-15.5	147
16	1.0	4 bundles of 4	JZ: white numbering & 1x g/y	10.5-11.5	33.0-34.0	625
16	1.0	4 bundles of 4	CC: blue, red, green, yellow	10.5-11.5	33.0-34.0	625
21	1.0	7 bundles of 3	JZ: white numbering & 1x g/y	9.9-10.9	53.3-54.9	755
4	1.5	Individual	JB: black. grey, brown, grn/yel	5.7-6.7	18.7-19.7	210
4	1.5	Individual	OB: black. grey, brown, blue	5.7-6.7	18.7-19.7	210



Conductors		Lay-up & Screening Type	Most Common Identification (may vary)	Cable Overall		
Number of	Area (mm ²)			Depth (mm)	Width (mm)	Weight (kg/km)
8	1.5	Individual	JZ: white numbering & grn/yel	5.7-6.7	35.3-37.3	400
8	1.5	Individual	OZ: white numbering, no earth	5.7-6.7	35.3-37.3	400
12	1.5	Individual	JZ: white numbering & grn/yel	5.7-6.7	51.5-53.0	610
4	2.5	Individual	JB: black. grey, brown, grn/yel	7.0-8.0	21.0-22.5	270
6	2.5	Individual	JZ: white numbering & grn/yel	7.0-8.0	21.0-22.5	320
4	4.0	Individual	JB: black. grey, brown, grn/yel	7.7-9.4	24.5-28.1	400
4	6.0	Individual	JB: black. grey, brown, grn/yel	9.0-10.0	30.1-32.5	520
4	10.0	Individual	JB: black. grey, brown, grn/yel	10.5-11.8	35.8-37.5	840
4	16.0	Individual	JB: black. grey, brown, grn/yel	12.6-14.0	41.3-46.0	1280
4	25.0	Individual	JB: black. grey, brown, grn/yel	14.4-15.0	48.4-51.0	1800
4	35.0	Individual	JB: black. grey, brown, grn/yel	15.6-16.5	58.9-59.0	2478

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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