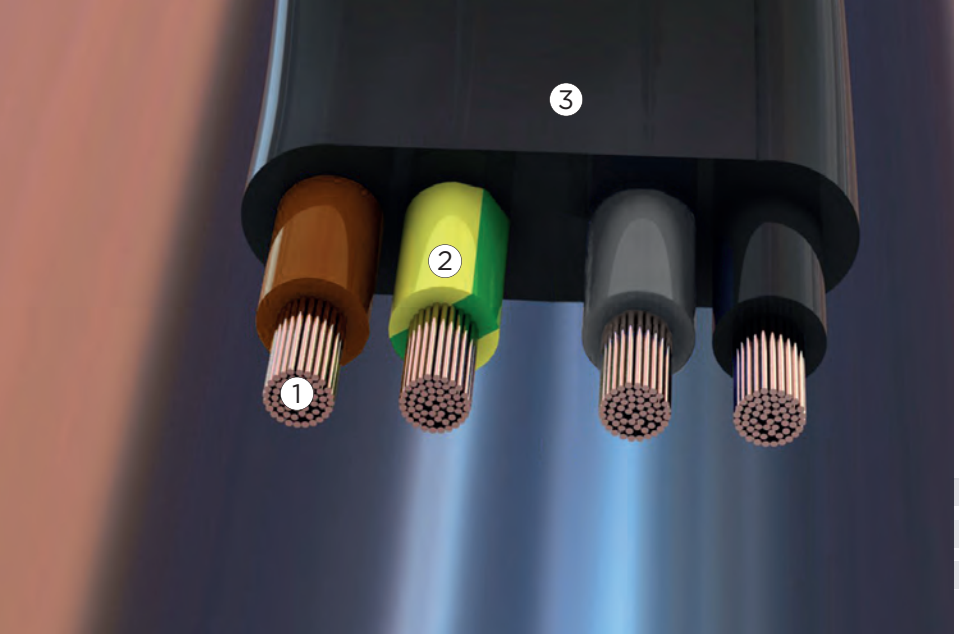
FLATFLEX LSOH

Halogen free flat cable

Application

Halogen free flat cables are suitable for use as both power and control cables for many different types of travelling machinery including :– Hoists, Cranes, Trolley systems, Transfer lines, Container bridges, Machine tools, Elevators etc. They are also suitable for other applications where cables are required to be bent to a tight radius in one direction.

Construction	
Conductor :	Fine stranded plain copper according to VDE 0295 Class 5
Insulation:	Special compound
Core colour :	According to VDE 0293 – up to 5 wires coloured, 6 wires and above black with white numbers with green/yellow earth (also available without g/y on request)
Core Arrangement :	Cores arranged side by side in a single layer
Sheath :	Polyolefin
Sheath colour :	Black
Imprint :	LSOH
Working Environment	
Maximum operating temperature in mobile application :	–25 deg C – + 60 deg C
Maximum temperature at conductor :	+90 deg C
Environment :	suitable for use in dry & humid areas
Electrical properties	
Nominal voltage :	600/1000 V
Test Voltage :	3500 V
Additional information	
Minimum bending radius :	Mobile application – 10 x cable thickness
Max travel speed :	1.6 m/s (according to VDE)
Maximum suspended height:	35 meters
Oil resistance :	According to VDE 0472
Flame resistance :	According to VDE 0482 pt IEC 332–1–2 resp. IEC 60332–1–2
Applied Standards	Similar to VDE 0281 / HD 359



1. Copper conductor
2. Special compond insulation
3. Polyolefin outer sheath

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Part No	Cross Section mm2	Current Rating @ 30 Deg	CU Number kg/km	Outer Dimensions approx. (mm)	Weight kg/km
08015 0150 04	4 G 1.5	19A	58.0	16.0 x 5.0	110
08015 0250 04	4 G 2.5	27A	96.0	19.0 x 5.7	170
08015 0400 04	4 G 4	36A	154.0	21.0 x 6.5	250
08015 0600 04	4 G 6	46A	230.0	23.5 x 7.0	330
08015 1000 04	4 G 10	64A	380.0	29.0 x 9.0	550
08015 1600 04	4 G 16	86A	610.0	35.0 x 10.4	800
08015 2500 04	4 G 25	114A	960.0	45.5 x 13.5	1350
08015 3500 04	4 G 35	142A	1340.0	50.5 x 14.8	1800
08015 5000 04	4 G 50	176A	1920.0	56.0 x 16.5	2400
08015 7000 04	4 G 70	218A	2700.0	63.0 x 18.0	3250
08015 0150 08	8 G 1.5	14A	115.0	29.0 x 5.0	220
08015 0250 08	8 G 2.5	20A	190.0	35.0 x 5.7	330
08015 0150 12	12 G 1.5	11A	175.0	41.0 x 5.0	320
08015 0250 12	12 G 2.5	15A	290.0	51.0 x 5.7	490

Other sizes are available on request

We reserve the right to amend all technical details without prior notification