

FLATFLEX-C-300/500 (KCYFLY) FLATFLEX-C-600/1000 (VCVH6-F)

Screened PVC Flat cable with individually screened cores

Application

PVC Flat cables are suitable for use as power, control, measurement and telecommunication 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:	PVC, mixed 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
Shield :	Plain or tinned copper braid, coverage 80 – 90%
Sheath :	PVC, mixed compound
Sheath colour :	Black
Imprint :	KYCFLY (300/500 V) or VCVH6-F (600/1000 V)

Working Environment

Maximum operating temperature in mobile application :	-25 deg C – + 70 deg C
Maximum temperature at conductor :	+70 deg C
Environment :	suitable for use in dry & humid areas

Electrical properties (FLATFLEX-C-300/500)

Nominal voltage :	300/500 V
Test Voltage :	2000 V
Conductor resistance :	In accordance with VDE0295 class 5

Electrical properties (FLATFLEX-C-600/1000)

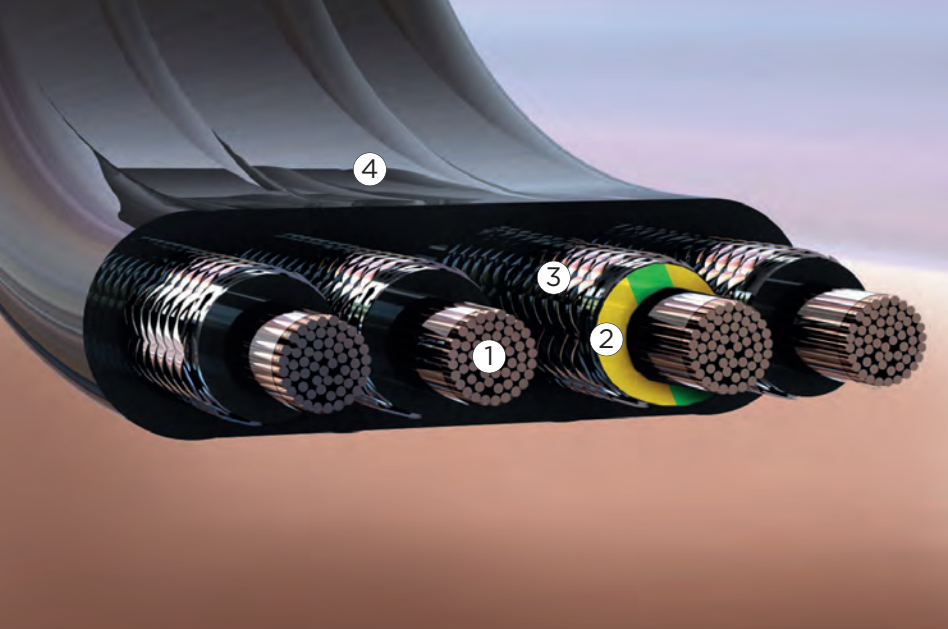
Nominal voltage :	600/1000 V
Test Voltage :	2500 V
Conductor resistance :	In accordance with VDE0295 class 5

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

	Manufacturers standard similar to DIN VDE 0250



- ① Copper conductor
- ② PVC Insulation
- ③ Copper screen
- ④ PVC outer sheath

FLATFLEX-C-300/500 (KCYFLY)

Screened PVC Flat cable with individually screened cores (300/500 V)

Part No	Cross Section mm ²	Current Rating @ 30 Deg	CU Number kg/km	Outer Dimensions approx. (mm)	Weight kg/km	Plated Brass Gland Size
08013 0150 04-300	4 G 1.5	19A	114.0	19.6 x 6.3	210	12.2121
08013 0250 04-300	4 G 2.5	27A	168.0	22.0 x 7.4	270	12.2930
08013 0400 04-300	4 G 4	36A	208.0	25.4 x 8.1	400	12.2930
08013 0600 04-300	4 G 6	46A	325.0	31.2 x 9.7	520	12.3640
08013 1000 04-300	4 G 10	64A	480.0	37.3 x 11.6	840	12.3640
08013 1600 04-300	4 G 16	86A	700.0	46.0 x 14.0	1280	8107
08013 2500 04-300	4 G 25	114A	1040.0	50.0 x 15.0	1800	8107
08013 0150 08-300	8 G 1.5	14A	210.0	37.0 x 6.3	400	12.3640
08013 0150 12-300	12 x 1.5	11A	335.0	50.0 x 6.0	610	12.4250

FLATFLEX-C-600/1000 (VCVH6-F)

Screened PVC Flat cable with individually screened cores (600/1000 V)

Part No	Cross Section mm ²	Current Rating @ 30 Deg	CU Number kg/km	Outer dimensions approx. (mm)	Weight kg/km	Plated Brass Gland Size
08013 0400 04-600	4 G 4	36A	208.0	23.0 x 7.0	360	12.2930
08013 0600 04-600	4 G 6	46A	325.0	29.0 x 9.0	580	12.2930
08013 1000 04-600	4 G 10	64A	480.0	37.0 x 11.0	900	12.3640
08013 1600 04-600	4 G 16	86A	700.0	46.0 x 14.0	1280	8107
08013 2500 04-600	4 G 25	114A	1040.0	50.0 x 14.5	1800	8107
08013 3500 04-600	4 G 35	142A	1600.0	55.0 x 16.0	2300	8107

Other sizes are available on request

Note !

FLATFLEX-C-600/1000 is not a stocked cable type and is only available by special order, some sizes may be subject to MOQ's and significant lead times