

FLATFLEX-N-C M(StD)HOU (EMV) 600/1000V

Screened Neoprene Flat cable with individually screened cores

Application

Neoprene Flat cables are suitable for use as both power and control cables for many different types of travelling machinery, the neoprene material provides improved flexibility when compared to PVC which results in longer cable life. Popular applications include :- 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 5/6 IEC 60228 Class 5/6
Insulation:	Rubber compound
Core colour :	According to VDE 0293 - up to 5 wires coloured, 6 wires and above black with white numbers with green/yellow earth
Core Arrangement :	Cores arranged side by side in a single layer
Shield :	Coated foil + wrapped tinned wire - coverage ca. 85%
Sheath :	Polychloroprene (Neoprene)
Sheath colour :	Black

Working Environment

Maximum operating temperature in mobile application :	-30 deg C - + 80 deg C
Maximum temperature at conductor :	+90 deg C
Environment :	Suitable for use in dry & humid areas - suitable for indoor & outdoor use

Electrical properties

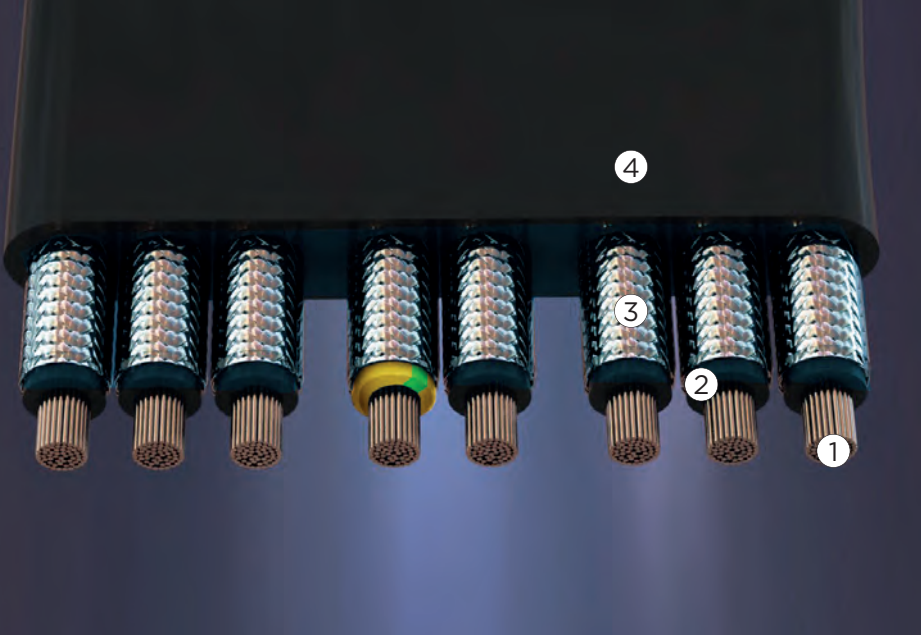
Nominal voltage :	600/1000 V
Test Voltage :	2000 V
Conductor resistance :	In accordance with VDE0295 class 5

Additional information

Minimum bending radius :	Mobile application - 10 x cable thickness
Oil resistance :	According to VDE 0472
Burning behaviour :	Self - extinguishing & Flame retardant to IEC 60332-1

Applied Standards

	acc. To DIN VDE 0250 part 809
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- ① Copper conductor
- ② Rubber Insulation
- ③ Tinned copper screen
- ④ Neoprene outer sheath

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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
08014 0150 04 CY	4 G 1.5	18A	99.0	21.5 x 8.0	291	12.2121
08014 0250 04 CY	4 G 2.5	26A	163.0	24.1 x 8.7	418	12.2930
08014 0400 04 CY	4 G 4	34A	241.0	27.8 x 9.5	440	12.2930
08014 0600 04 CY	4 G 6	44A	353.0	30.2 x 10.7	603	12.2930
08014 1000 04 CY	4 G 10	61A	497.0	36.9 x 12.2	955	12.3640
08014 1600 04 CY	4 G 16	82A	805.0	41.9 x 13.7	1254	12.4245
08014 2500 04 CY	4 G 25	108A	1200.0	48.0 x 15.5	1694	8107
08014 3500 04 CY	4 G 35	135A	1657.0	54.6 x 17.1	2282	8108
08014 5000 04 CY	4 G 50	168A	2261.0	65.2 x 19.9	3130	8108
08014 7000 04 CY	4 G 70	207A	3259.0	77.0 x 23.9	4680	8110
08014 9500 04 CY	4 G 95	250A	4311.0	82.1 x 25.5	5605	8110
08014 0150 08 CY	8 G 1.5	14A	228.0	39.6 x 8.0	537	12.3640
08014 0150 12 CY	12 G 1.5	11A	342.0	56.8 x 8.0	795	8107
08014 0250 12 CY	12 G 2.5	15A	493.0	65.1 x 8.7	1004	8108

Other sizes are available on request

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