

H-FLEX CTL C-PUR

250 V

Screened control cable



• Flame-retardant • Oil & chemical resistant • Halogen-free • Mud resistant

CONDUCTOR	Stranded copper conductor IEC 60228 class5
INSULATION	XLPE plastic
BEDDING	Separator tape
SCREEN	Copper wire braid, coverage > 94%
SHEATH	Polyurethane compound Standard colour black, other colours on request



APPLICATION

Intended for flexible, portable and movable applications such as ship-to-shore cable, outdoor cranes and various industrial applications. Suitable for flexible applications in machineries, machine tools, robot technics, and can be submersed into water. Good mechanical characteristics, high tensile strength, resistant to UV, abrasion, chemicals, oil and other fluids. Good winding and unwinding strength. Suitable for drag chain use. Mud resistant according to NEK606.

PHYSICAL PROPERTIES:

MIN. BENDING RADIUS	Fixed: $4 \times \varnothing < 25 \text{ mm} < 6 \times \varnothing$ Mobile: $6 \times \varnothing < 25 \text{ mm} < 8 \times \varnothing$ S-shape deflection: $15 \times \varnothing < 25 \text{ mm} < 20 \times \varnothing$
MAX. TENSILE LOAD WITHOUT STRENGTH MEMBERS	15 N/mm ² of phases copper cross section
CORE IDENTIFICATION	White insulation with black numbers
MARINE TYPE APPROVALS	RMRS, DNV-GL, BV and ABS

MAIN CHARACTERISTICS:

RATED VOLTAGE	150/250 V (300 V)
MAXIMUM CONDUCTOR TEMPERATURE	90 °C
FLAME-RETARDANT	IEC 60332-1-2 - test for single cable
HALOGEN-FREE	IEC 60754 series
MECHANICAL FLEX TEST	EN 50396 - conditions according to EN 50525
OIL RESISTANCE	EN 60811-404 - conditions according to EN 50363-10-2
OPERATING TEMPERATURE	-60 - 80 °C fixed use -35 - 80 °C flexible use



Tel. +31 (0) 183-617 109

Mail: info@helmacab.nl

Website: www.helmacab.nl

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Part number	G-type	No. of conductors x Conductor area (mm ²)	Screen Cross-section (mm ²)	Nominal outer Ø (mm)	Weight kg/km	Current rating A
5400103020	---	2x0.5	2.6	7.0	60	8.7
5400103030	5400103031	3x0.5	2.6	7.5	70	7.6
5400103040	5400103041	4x0.5	2.6	8.0	75	6.9
5400103050	5400103051	5x0.5	3.2	9.0	95	6.4
5400103070	5400103071	7x0.5	3.2	9.0	105	5.8
5400103100	5400103101	10x0.5	3.9	11.5	150	5.1
5400103120	5400103121	12x0.5	3.9	12.0	160	4.8
5400103140	5400103141	14x0.5	3.9	12.5	175	4.6
5400103160	5400103161	16x0.5	4.6	13.5	205	4.4
5400103190	5400103191	19x0.5	4.6	13.5	220	4.1
5400103200	5400103201	20x0.5	4.7	13.5	235	4.1
5400103240	5400103241	24x0.5	5.9	16.0	285	3.8
5400103270	5400103271	27x0.5	5.9	16.0	305	3.7
5400103320	5400103321	32x0.5	6.0	16.5	335	3.5
5400103370	5400103371	37x0.5	7.0	17.5	380	3.3
5400104020	---	2x0.75	2.6	7.5	70	11.3
5400104030	5400104031	3x0.75	2.6	8.0	80	9.8
5400104040	5400104041	4x0.75	2.6	8.5	90	8.9
5400104050	5400104051	5x0.75	3.3	10.5	120	8.3
5400104070	5400104071	7x0.75	3.3	10.5	135	7.4
5400104100	5400104101	10x0.75	4.1	13.0	190	6.6
5400104120	5400104121	12x0.75	4.6	13.0	215	6.2
5400104140	5400104141	14x0.75	4.6	14.0	235	5.9
5400104160	5400104161	16x0.75	4.9	15.0	265	5.6
5400104190	5400104191	19x0.75	5.9	15.0	300	5.3
5400104200	5400104201	20x0.75	6.0	15.0	320	5.2
5400104240	5400104241	24x0.75	7.0	17.5	375	4.9
5400104270	5400104271	27x0.75	7.0	18.0	405	4.7
5400104320	5400104321	32x0.75	7.0	19.0	460	4.5
5400104370	5400104371	37x0.75	7.1	20.0	515	4.3



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