

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, festoon and reel installations. Mud resistant according to NEK606.

PHYSICAL PROPERTIES

MIN. BENDING RADIUS	Fixed: $4 \times \varnothing < 25 \text{ mm} < 6 \times \varnothing$ Mobile: $8 \times \varnothing < 25 \text{ mm} < 10 \times \varnothing$ 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	ABS, BV and DNV

MAIN CHARACTERISTICS

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

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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	---	2 x 0.5	2.6	7.0	60	8.7
5400103030	5400103031	3 x 0.5	2.6	7.5	70	7.6
5400103040	5400103041	4 x 0.5	2.6	8.0	75	6.9
5400103050	5400103051	5 x 0.5	3.2	9.0	95	6.4
5400103070	5400103071	7 x 0.5	3.2	9.0	105	5.8
5400103100	5400103101	10 x 0.5	3.9	11.5	150	5.1
5400103120	5400103121	12 x 0.5	3.9	12.0	160	4.8
5400103140	5400103141	14 x 0.5	3.9	12.5	175	4.6
5400103160	5400103161	16 x 0.5	4.6	13.5	205	4.4
5400103190	5400103191	19 x 0.5	4.6	13.5	220	4.1
5400103200	5400103201	20 x 0.5	4.7	13.5	235	4.1
5400103240	5400103241	24 x 0.5	5.9	16.0	285	3.8
5400103270	5400103271	27 x 0.5	5.9	16.0	305	3.7
5400103320	5400103321	32 x 0.5	6.0	16.5	335	3.5
5400103370	5400103371	37 x 0.5	7.0	17.5	380	3.3
5400104020	---	2 x 0.75	2.6	7.5	70	11.3
5400104030	5400104031	3 x 0.75	2.6	8.0	80	9.8
5400104040	5400104041	4 x 0.75	2.6	8.5	90	8.9
5400104050	5400104051	5 x 0.75	3.3	10.5	120	8.3
5400104070	5400104071	7 x 0.75	3.3	10.5	135	7.4
5400104100	5400104101	10 x 0.75	4.1	13.0	190	6.6
5400104120	5400104121	12 x 0.75	4.6	13.0	215	6.2
5400104140	5400104141	14 x 0.75	4.6	14.0	235	5.9
5400104160	5400104161	16 x 0.75	4.9	15.0	265	5.6
5400104190	5400104191	19 x 0.75	5.9	15.0	300	5.3
5400104200	5400104201	20 x 0.75	6.0	15.0	320	5.2
5400104240	5400104241	24 x 0.75	7.0	17.5	375	4.9
5400104270	5400104271	27 x 0.75	7.0	18.0	405	4.7
5400104320	5400104321	32 x 0.75	7.0	19.0	460	4.5
5400104370	5400104371	37 x 0.75	7.1	20.0	515	4.3