CY HIGH FLEX control cable

Application

For use in control circuits, measuring and also in power circuits, in the automation industry, in assembly lines and production lines. Suitable in drag chains and where fast and abrupt movements exist.

Construction

conductor material	Copper, bare
conductor class	Class 6 acc. to VDE 0295 or IEC 60228
core insulation	PVC
core identification	VDE 0293-1
screen braid of tinned copper wires	
outer sheath	PVC
sheath colour	Grey (RAL 7001)
rated voltage [V]	300 / 500
testing voltage [V]	4000
insulation resistance	> 20 MΩ x km
min. bending radius fixed [x d]	4
min. bending radius moved [x d]	7,5
working temp. fixed min/max [°C]	-40°C up to +70
working temp. moved min/max [°C]	-5°C up to +70
burning behaviour	IEC 60332-1: flame-retardant and self-extinguishing
Temperature moved	-5° C to 70° C
Temperature unmoved	-40° C to 70° C

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no of cores x cross section mm2		O/D	kg/100m
2	0.5 OZ	7.7	7.9
2	0.75 OZ	8.5	8.7
2	1 OZ	9.8	11.6
2	1.5 OZ	10.5	13
3	0.5	8	8.3
3	0.75	8.8	9.5
3	1	10.4	14.4
3	1.5	10.8	16.8
3	2.5	13	25.4
3	4	15.2	37.4
4	0.5	8.2	9.2
4	0.75	9.2	12.7
4	1	10.6	16.8
4	1.5	11.6	20.6
4	2.5	14.4	31.8
4	4	16.8	44.6
4	6	19.5	59.6
4	10	22.8	89
4	16	28.7	137.4
5	0.5	9.4	11.6
5	0.75	10.1	14.3
5	1	11.6	19
5	1.5	12.4	24.5
5	2.5	16.1	38.7
5	4	18.8	54.7
5	6	21	76.2
5	10	25.1	101.6
5	16	31.8	183.1
7	0.5	10.5	15.8
7	0.75	11.6	20.1
7	1	13.4	24.5
7	1.5	14.8	34.5
7	2.5	18.3	49.8

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no of cores x cross section mm2		O/D	kg/100m
12	0.5	12.5	22
12	0.75	13.5	28.3
12	1	15.4	36.5
12	1.5	17.8	45.8
14	0.5	13	25.1
14	1	13.9	31.1
18	0.5	14.2	30.5
18	0.75	15.9	39.4
18	1	17.5	50.5
18	1.5	21.8	63.5
25	0.5	16.2	50.5
25	0.75	18.5	51.5
25	1	20.7	66.7
25	1.5	25.6	98.5
34	0.5	18.3	51.8
34	0.75	21.8	68.6
34	1	23.6	84.8
42	0.5	20.1	60.2
42	1	23.5	79.5
50	0.5	21.3	71.6
50	0.75	24.8	89.9
50	1	27.4	121.7

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Termination recommendation

For full gland information please refer to the technical section

Plastic stuffing glands

EMV

The information contained within this data sheet is for guidance only.
Cable and gland sizes are nominal and may vary according to different manufacturer's tolerances.
Every possible effort is made to ensure that the Information contained in this data sheet is correct.
However, we reserve the right to change the information or specification at any time in the light of technical developments or revisions.
References to or extracts from British Standards, current IEE regulations or other regulatory bodies should be verified with these organisations.

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