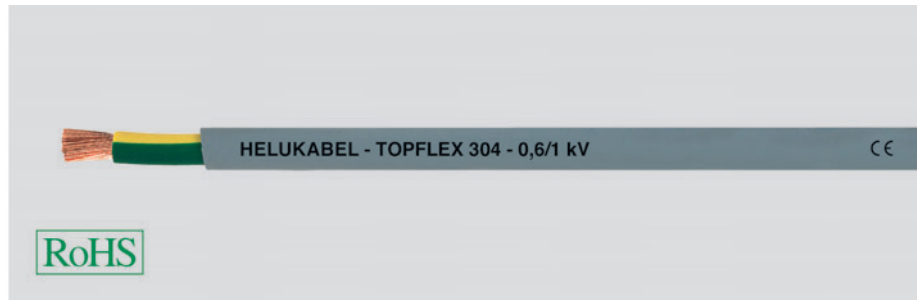
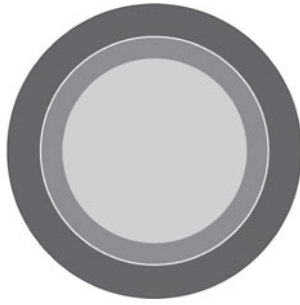


TOPFLEX® 304 / 304-C unscreened (double insulated)/ screened high flexible PVC single core 0,6/1kV for drag chain application



Technical data

- Special PVC single-core cable
- **Temperature range**
flexing -5 °C to +80 °C
fixed installation -40 °C to +80 °C
- **Nominal voltage** U₀/U 600/1000 V
- **A.c. test voltage**, 50 Hz
3000 V
- **Insulation resistance**
min. 20 MOhm x km
- **Minimum bending radius**
for flexible installation
approx. 5x cable Ø

Cable structure

TOPFLEX® 304

- Bare copper, extra fine wire conductor to DIN VDE 0295 cl. 6 and IEC 60228 cl. 6
- PVC insulation, green-yellow
- PVC sheath compound TM2
- Sheath colour grey

TOPFLEX® 304C

- Construction as above, but
- Tinned copper braid, coverage approx. 85%

Properties

- PVC self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- Chemical resistance see table Technical Information

Application

Thanks to their outstanding alternating bending stress characteristics, these cables are ideally suited for use in drag chains, and also for use in handling devices, robots, and nearly any area requiring flexible used and free motion.

TOPFLEX® 304C

Optimum compliance with requirements for electromagnetic compatibility (EMC) by approx. 85% coverage from the braided screen.

EMC = Electromagnetic compatibility

To optimise the EMC features we recommend a large round contact of the copper braiding on both ends.

CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

TOPFLEX® 304

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
79639	1 G 2,5	4,5	24,0	42,0	14
79640	1 G 4	5,6	38,4	58,0	12
79641	1 G 6	6,1	57,6	85,0	10
71544	1 G 10	8,0	96,0	130,0	8
79642	1 G 16	9,8	154,0	190,0	6
79643	1 G 25	11,8	240,0	280,0	4
79644	1 G 35	12,9	336,0	400,0	2
79645	1 G 50	14,6	480,0	520,0	1
79646	1 G 70	17,5	672,0	720,0	2/0
79647	1 G 95	20,0	912,0	1050,0	3/0
79648	1 G 120	21,6	1152,0	1220,0	4/0
79649	1 G 150	23,5	1440,0	1500,0	300 kcmil
79650	1 G 185	25,7	1776,0	1940,0	350 kcmil
79651	1 G 240	29,5	2304,0	2675,0	500 kcmil
79652	1 G 300	32,5	2880,0	3300,0	600 kcmil

TOPFLEX® 304C

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
79653	1 G 2,5	5,9	40,0	55,0	14
79654	1 G 4	6,5	50,0	75,0	12
79655	1 G 6	8,3	88,0	125,0	10
79656	1 G 10	8,7	124,0	170,0	8
79657	1 G 16	10,3	190,0	300,0	6
79658	1 G 25	12,4	260,0	420,0	4
79659	1 G 35	13,7	405,0	620,0	2
79660	1 G 50	15,4	560,0	825,0	1
79661	1 G 70	17,5	780,0	1090,0	2/0
79662	1 G 95	21,0	1030,0	1395,0	3/0
79685	1 G 120	22,4	1311,0	1770,0	4/0
79663	1 G 150	24,3	1527,0	1930,0	300 kcmil
79664	1 G 185	26,5	1940,0	2635,0	350 kcmil
79665	1 G 240	30,3	2530,0	3380,0	500 kcmil
79666	1 G 300	35,0	3050,0	3500,0	600 kcmil

Dimensions and specifications may be changed without prior notice.