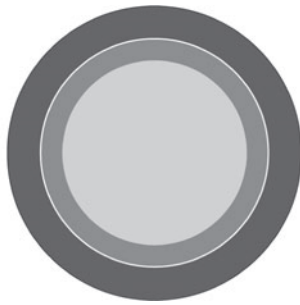


# TOPFLEX® 302 / 302-UL very high flexible PVC single core double insulated 0,6/1kV



## Technical data

### TOPFLEX® 302

- Special PVC single-core cable with double insulation flexible at low temperatures
- **Temperature range**  
flexing -15 °C to +80 °C  
fixed installation -40 °C to +80 °C
- **Nominal voltage** U<sub>0</sub>/U 600/1000 V
- **A.C. test voltage**, 50 Hz  
3000 V
- **Insulation resistance**  
min. 20 MΩm x km
- **Minimum bending radius**  
for flexible installation  
approx. 5x cable diameters

### TOPFLEX® 302-UL

- Technical data as above, but
- with additional UL Approval Style 10107
- **Nominal voltage** UL 1000 V

## Application

These cables are specially designed for use as connecting cables on sliding contacts for current collectors, and also for use in energy supply chains, automatic handling devices, robots, machine tools, machining and processing equipment, and nearly any area requiring flexible used and free motion.

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

## Cable structure

- Bare copper, extra fine wire conductor to DIN VDE 0295 cl. 6 and IEC 60228 cl. 6
- PVC insulation flexible at low temperatures, natural colour
- PVC sheath compound TM2 flexible at low temperatures
- Sheath colour black, UV-resistant

## Properties

- Sheath UV-resistant
- 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
- The cable is permissible for overvoltage category II

### TOPFLEX® 302 without UL-approval

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
72946	1 x 1,5	4,0	14,4	25,0	16
73924	1 x 2,5	4,5	24,0	42,0	14
72950	1 x 4	5,6	38,4	58,0	12
72945	1 x 6	6,1	57,6	85,0	10
75450	1 x 10	8,0	96,0	130,0	8
72947	1 x 16	9,8	153,6	190,0	6
75451	1 x 25	11,8	240,0	280,0	4
75452	1 x 35	12,9	336,0	400,0	2
75453	1 x 50	14,6	480,0	520,0	1
72944	1 x 70	17,5	672,0	720,0	2/0
75454	1 x 95	20,2	912,0	1050,0	3/0
75455	1 x 120	21,6	1152,0	1220,0	4/0
75456	1 x 150	23,5	1440,0	1500,0	300 kcmil
75457	1 x 185	25,7	1776,0	1940,0	350 kcmil
75458	1 x 240	29,5	2304,0	2675,0	500 kcmil

### TOPFLEX® 302 with UL-approval

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
700231	1 x 1,5	16	5,2	14,4	25,0
700232	1 x 2,5	14	6,4	24,0	42,0
700233	1 x 4	12	7,0	38,4	58,0
700234	1 x 6	10	7,5	57,6	85,0
701351	1 x 10	8	9,1	96,0	130,0
700114	1 x 16	6	10,8	153,6	190,0
701352	1 x 25	4	13,1	240,0	280,0
701353	1 x 35	2	14,1	336,0	400,0
701354	1 x 50	1	15,8	480,0	520,0
700235	1 x 70	2/0	19,0	672,0	720,0
701355	1 x 95	3/0	21,5	912,0	1050,0
701356	1 x 120	4/0	23,2	1152,0	1220,0
701357	1 x 150	300 kcmil	25,2	1440,0	1500,0
701358	1 x 185	350 kcmil	27,0	1776,0	1940,0
701359	1 x 240	500 kcmil	31,5	2304,0	2675,0

Dimensions and specifications may be changed without prior notice.