

NEO FLAT-CY

Flat cable of neoprene, screened

**Technical Data:**

- **Conductor material** Copper bare
- **Conductor class** Class 5
- **Core insulation** Rubber insulated
- **Core identification** Up to 5 cores colour coded in accordance to VDE 0293. 6 cores and more black with printed consecutive number coding
- **Stranding** Cores side by side
- **Outer sheath** Neoprene, special rubber-compound
- **Sheath colour** Black (RAL 9005)
- **Rated voltage [V]** 0.6/kV
- **Testing voltage [V]** 3500
- **Conductor resistance ***
- **Insulation resistance ***
- **Current carrying capacity** DIN VDE (s. technical guidelines)
- **Min. bending radius fixed [xd]** DIN VDE 0298 part 3
- **Min. bending radius moved [xd]** DIN VDE 0298 part 3
- **Working temp fixed min/max [C]** -40°C up to +80°C
- **Working temp moved min/max [C]** -30°C up to +80°C
- **Temp at conductor max.** +90 ° C
- **Burning behaviour** EC 60332-1: flame- retardant and self- extinguishing

Construction:

- super fine bare copper conductor
- structure according to VDE 0295, class 5 or 6
- Core marking: up to 5 cores colour coded according to VDE 0293 7 cores and over black with printed consecutive number coding
- rubber-insulated cores
- earth conductor green/yellow
- copper wire braid around each core
- Neoprene outer sheath, black
- suitable in low temperatures
- EMC

Application:

Neoprene-sheathed flat cables are weatherproof. This cable can be used in dry, damp, wet rooms or outdoors. Used up to harsh mechanical strain and banding load along a single level during operation. Due to the individual core screening there is an additional stability, which causes a free-interference transmission of data and signals (EMC).

Suitable for use in dry and moist rooms as well as outdoor.

Part Number	No of cores x Cross section	Outer Ø ca. mm	Copper weight kg /100	Weight 100 kg/100
681040100	4 x 2 x 1	11.8 x 33.5	27.30	59.00
681040150	4 G 1.50	8.0 x 21.5	11.50	35.00
681040250	4 G 2.50	8.7 x 24.1	16.40	41.70
681040400	4 G 4	9.5 x 27.6	24.10	56.20
681040600	4 G 6	10.5 x 30.1	35.30	60.30
681041000	4 G 10	12.1 x 36.7	49.70	93.40
681041600	4 G 16	13.7 x 41.5	80.50	129.30
681042500	4 G 25	15.5 x 47.0	120.00	164.70
681043500	4 G 35	17.1 x 53.2	165.70	232.50

Part Number	No of cores x Cross section	Outer Ø ca. mm	Copper weight kg /100	Weight 100 kg/100
681045000	4 G 50	19.7 x 61.6	226.10	316.90
681047000	4 G 70	24.0 x 77.0	325.90	474.20
681049500	4 G 95	25.3 x 81.9	431.10	566.40
681060250	6 G 2.50	8.7 x 33.5	24.60	57.40
681080150	8 G 1.50	8.0 x 38.6	22.80	54.20
681120150	12 G 1.50	8.0 x 57.1	34.20	89.60
681120250	12 G 2.50	8.7 x 64.0	49.30	114.00