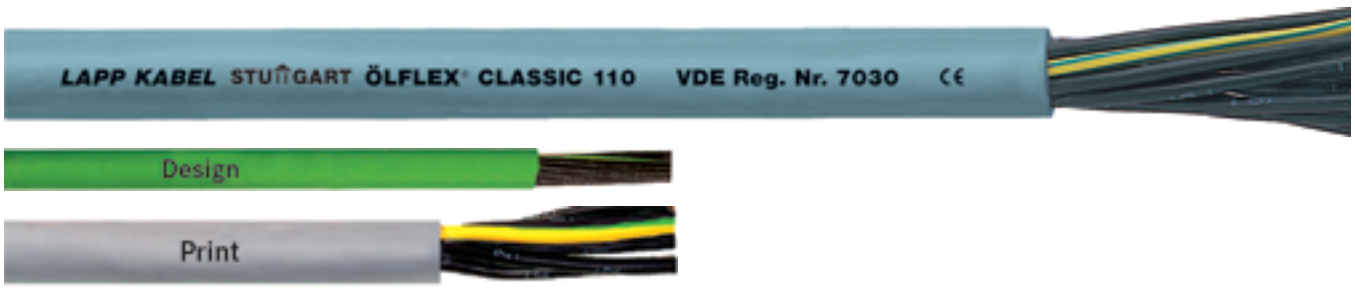
ÖLFLEX® CLASSIC 110

Multiconductor Control Cable with numbered cores
Special Lapp PVC Compound P8/1 - Slim, Light, VDE certified



Remark: A RoHS-non-compliant version is marketed under ÖLFLEX® 110 with VDE-REG.-Nr. 8067
To order this, please add appendix <1> to the above stated part numbers.
This does not affect the above given further technical data or description.

Application
- Control and connection cable especially suitable for applications in industrial ambient conditions
- Mainly in dry, damp or wet interiors under medium mechanical load conditions
- Outdoor use with UV-protection only, considering the temperature range
- For free, non-continuously recurring movement application without tensile load or compulsory guidance as well as for fixed installation

Areas of application:
- Machine engineering
- Plant engineering and construction
- Paint-spray lines
- Air conditioning installations
- Power station

ÖLFLEX® CLASSIC 110 Design
- Mainly where works standard, safety, colour or colour design are required.

ÖLFLEX® CLASSIC 110 Print
- Printing service in all colours made by ink-jet or using embossing tool (either embossed or embedded)

Advantage
- VDE registered (production monitoring)
- Reduced space requirements due to small outer diameters
- The 4 kV Test Voltage ensures high insulation performance
- Largely resistant to oil and chemicals
- Manufactured free of substances harmful to lacquer (silicone free) and therefore suitable for use in paint shops

Worth knowing
Accessories
- SKINTOP® and SKINDICHT® cable glands
- SILVYN® Cable Conduit Systems
- FLEXIMARK® Cable Marking
- Cable processing products see “Cable Accessories”

Comparable products:
- For cables with coloured cores in accordance with VDE 0293-308, see ÖLFLEX® CLASSIC 100 range
- Appendix Table A2 “Highly Flexible FD Cables”

Technical notes:
- Flame-retardant acc. to IEC 60332-1-2
- Further technical information see catalogue appendix: Selection Tables (A) and Technical Tables (T)

Cable Make-up
- Fine strands of bare copper wires
- Core insulation made of LAPP PVC Compound P8/1
- Black cores with white numbers
- Cores twisted in layers
- Special PVC-based outer sheath compound
- Sheath colour RAL 7001 (silver grey)

Technical Data

Core identification code
Black cores with white numbers acc. to VDE 0293

Specific insulation resistance
> 20 GOhm x cm

Conductor stranding
Fine wire acc. to:
VDE 0295 Kl.5
IEC 60228 Cl.5

Minimum bending radius
Flexing:
15 x cable diameter
Static:
4 x cable diameter

Rated voltage
U_0/U=300/500 V

Test voltage
4000 V

Protective conductor
G = with protective conductor
GN/YE
X = without protective conductor

Range of temperature
Flexible application:
-5 °C to +70 °C
Fixed installation:
-40 °C to +80 °C

VDE-tested
VDE reg. No. 7030

Part number	Number of cores and mm² per conductor	Outer diameter in mm approx.	Copper weight kg/km	Weight kg/km approx.
	ÖLFLEX® CLASSIC 110; U0/U: 300/500 V			
1119752	2 X 0.5	4,8	10,0	35
1119003	3 G 0.5	5,1	14,4	42
1119753	3 X 0.5	5,1	14,4	42
1119004	4 G 0.5	5,7	19,2	54
1119754	4 X 0.5	5,7	19,2	54
1119005	5 G 0.5	6,2	24,0	63
1119755	5 X 0.5	6,2	24,0	63
1119007	7 G 0.5	6,7	33,6	81
1119757	7 X 0.5	6,7	33,6	81
1119010	10 G 0.5	8,6	48,0	116
1119012	12 G 0.5	8,9	58,0	131
1119014	14 G 0.5	9,5	67,0	153
1119018	18 G 0.5	10,5	86,4	188
1119021	21 G 0.5	11,7	101,0	221
1119025	25 G 0.5	12,4	120,0	261
1119030	30 G 0.5	13,3	144,0	304
1119035	35 G 0.5	14,5	168,0	256
1119040	40 G 0.5	15,4	192,0	400
1119052	52 G 0.5	17,3	250,0	517
1119061	61 G 0.5	18,5	293,0	603
1119065	65 G 0.5	19,6	312,0	644
1119080	80 G 0.5	21,1	384,0	780
1119100	100 G 0.5	23,6	480,0	975
1119802	2 X 0.75	5,4	14,4	45
1119103	3 G 0.75	5,7	21,6	55
1119803	3 X 0.75	5,7	21,6	55
1119104	4 G 0.75	6,2	28,8	66
1119804	4 X 0.75	6,2	28,8	66