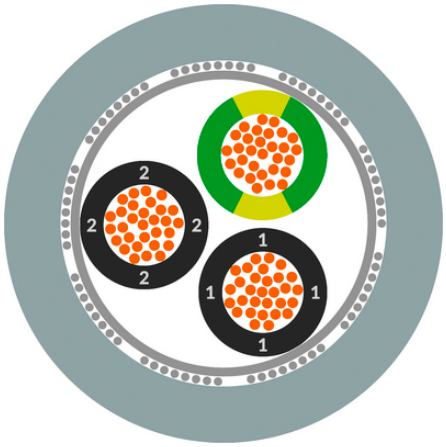
ÖLFLEX® 195 CY

Screened and oil-resistant multi-standard cable with AWM approval

ÖLFLEX® 195 CY - PVC control cable with UL/CSA AWM, oil-resistant, screened and flexible for various applications, UL/CSA: 600V

Info

Conductor cross-section up to 120 mm²
Oil-resistant according to EN 50363-4-1: TM5



- Mechanical and plant engineering
- Good chemical resistance
- Flame-retardant
- Oil-resistant
- Interference signals

Benefits

Doing away with the inner sheath results in lower weight and smaller outer diameters.
Space-saving due to reduced wall thicknesses.
Optimised cost-effectiveness due to material savings.
Ideal protection against electromagnetic interference due to double shielding made of aluminum-laminated foil and copper braided screening with a high degree of coverage
UL-/CSA-approval according to technical data allows use of the product in the North American area.

Application range

Last Update (28.01.2026)
©2026 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

ÖLFLEX® 195 CY

For universal use for wiring machine-internal and cross-plant control circuits.
For use with metric SKINTOP®/SKINDICHT® cable glands.
For fixed installation and occasional flexing without tensile strain.
Can be used in dry, damp and particularly in oily environments.
Suitable for medium mechanical stress.

Product features

Flame-retardant according to IEC 60332-1-2
and UL 1581 §1061 Cable Flame Test
Oil-resistant according to EN 50363-4-1: TM5
High degree of screening
low transfer impedance
(max. 250 Ω/km at 30 MHz)

Norm references / Approvals

UL AWM Style 21098
CSA AWM I A/B II A/B
Multi-standard cables have conductor strands with nominal sizes in mm^2 or AWG/kcmil. The master size is mentioned in the table below, while the equivalent size of the other system can be found in the Appendix T16 of this catalogue. For this related secondary size the cross-section of the conductor mostly works out to be greater than the specified nominal value.

Product Make-up

Fine-wire strand made of bare copper wires
PVC core insulation
Cores twisted in layers
Aluminum-coated foil
Tinned-copper braiding
PVC outer sheath, high oil-resistance, grey (similar to RAL 7001)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable
Core identification code:	Black with white numbers acc. to VDE 0293-334
Conductor stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius:	Occasional flexing: 20 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage:	HAR U0/U: 300/500 V UL/CSA: 600 V
Test voltage:	4000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -5 °C to +70 °C UL/CSA: -5 °C to +90 °C Fixed installation: -40 °C to +70 °C UL/CSA: +90 °C

Last Update (28.01.2026)
©2026 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

ÖLFLEX® 195 CY

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 600 m drum or 8 x 75 m coils).
Photographs and graphics are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.

©2026 Lapp Group - Technical changes reserved

LAPP

ÖLFLEX® 195 CY

PRODUCT INFORMATION

Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1146100	7 G 0.75	9	72.55	131
1146101	2 X 1.0	6.9	34.06	64
1146102	3 G 1.0	7.3	44.97	79
1146103	4 G 1.0	7.9	56.81	96
1146104	5 G 1.0	8.6	68.81	113
1146105	7 G 1.0	9.5	90.59	147
1146106	12 G 1.0	12.5	155.6	249
1146107	18 G 1.0	14.9	215.33	343
1146108	25 G 1.0	17.2	293.26	462
1146113	2 X 1.5	7.5	46.51	80
1146114	3 G 1.5	7.9	62.58	100
1146115	4 G 1.5	8.6	79.37	124
1146116	5 G 1.5	9.4	96.51	147
1146117	7 G 1.5	10.4	127.97	191
1146118	9 G 1.5	13.1	169.7	259
1146119	12 G 1.5	14	214.14	318
1146120	14 G 1.5	14.6	245.57	361
1146121	18 G 1.5	16.5	309.6	462
1146122	25 G 1.5	19.4	420.89	618
1146127	3 G 2.5	8.8	95.06	136
1146128	4 G 2.5	9.5	128.05	177
1146129	5 G 2.5	10.5	155.99	211
1146130	7 G 2.5	11.6	208.62	275
1146131	12 G 2.5	16	338.24	465
1146132	18 G 2.5	18.7	492.69	653
1146137	4 G 4	11.1	192.56	249
1146138	5 G 4	12.2	235.05	296
1146139	7 G 4	13.7	312.21	380
1146144	4 G 6	13.1	271.43	333
1146145	5 G 6	15.3	333.14	436
1146146	7 G 6	16.6	454.22	561

Last Update (28.01.2026)
©2026 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16