

PVC insulated, numbered, PUR sheath, approved

Product Description

Protected against water and dirt;Wear-resistant



Application range

- Devices
- Appliances
- Especially in wet area of machine tools and transfer lines under normal mechanical stress.
- Outdoor use only in accordance with the indicated temperature range

Benefits

- Protected against water and dirt
- Wear-resistant

Design

- Fine strands of bare copper wires
- Core insulation: Special-PVC
- Special polyurethane sheath (PUR)
- DESINA® conformant, black (RAL 9005)
- Silver grey (RAL 7001)

Approvals (Norm references)

- USA: Acc. NFPA79 Ed 08 in industrial machinery as part of a listed assembly only.



Product features

- Increased oil resistance
- Abrasion and cut resistant
- Low adhesive surface
- Flame retardant in accordance with UL/CSA FT1 and IEC 60332.1-2

Technical Data

Core identification code

Black with white numbers acc. to VDE 0293

Approvals

In accordance with UL-AWM Style 20234

cUL AWM II A/B FT1

Specific insulation resistance

> 20 GOhm x cm

Conductor stranding

Fine wire in accordance to VDE 0295 Class 5 / IEC

60228 Class 5

Minimum bending radius

For flexible applications: 15 x D

For fixed installation: 4 X D

Rated voltage

In accordance with HAR U0: 300/500 V

UL + CSA U: 600 V

Test voltage

Test voltage: 4000 V

Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

Range of temperature

For flexible applications: -5°C up to 80°C

For fixed installation: -40°C to 80°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® 491 P BK (black)				
0013009	3 G 1,0	7,7	27.0	73
0013017	3 G 1,5	8,3	44.0	100
0013018	4 G 1,5	9.0	58.0	123
0013019	5 G 1,5	9,8	72.0	150
0013020	7 G 1,5	10,7	101.0	197
0013021	12 G 1,5	13,8	173.4	344
0013023	25 G 1,5	20.0	360.0	682
0013024	3 G 2,5	9,2	72.0	152



0013025	4 G 2,5	9,9	96.0	200
ÖLFLEX® 491 P GY (grey)				
0013208	2 X 1,0	7,3	19.2	62
0013210	4 G 1,0	8,2	35.0	89
0013212	7 G 1,0	9,7	61.0	138
0013213	12 G 1,0	12,5	105.0	232
0013214	18 G 1,0	14,8	157.0	340
0013215	25 G 1,0	17,8	218.0	454
0013223	3 G 1,5	8,3	44.0	100
0013220	4 G 1,5	9.0	57.6	123
0013222	7 G 1,5	10,7	101.0	197
0013225	12 G 1,5	13,8	173.0	344
0013226	18 G 1,5	16,6	260.0	488
0013227	25 G 1,5	20.0	360.0	682

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

DESINA® is a registered trademark of the Association of German Machine Tool Manufacturers

Photographs are not to scale and do not represent detailed images of the respective products.