

ÖLFLEX® 150

Oil resistant multi-standard cable with H05VV5-F and AWM approval

ÖLFLEX® 150 - H05VV5-F harmonised PVC control cable with UL/CSA AWM, oil-resistant, flexible and numbered for various applications, U₀/U: 300/500 V

Info

Oil-resistant according to EN 50363-4-1: TM5

Harmonised (HAR): H05VV5-F and UL recognized



Good chemical resistance



Oil-resistant

Benefits

Wide application range due to multiple certifications

Application range

Plant engineering

Industrial machinery

Heating and air-conditioning systems

Machine tools

Mainly used in dry, damp and wet interiors (including water-oil mixtures), but not for outdoor use

For fixed installation under medium mechanical load conditions, and applications with occasional flexing at free, non-continuously recurring movement without tensile load or compulsory guidance

Note: for the use of AWM (Appliance Wiring Material) cables in industrial machinery (USA) according to NFPA 79: please see the catalogue appendix table T29

Product features

Flame-retardant according to IEC 60332-1-2 and UL 1581 §1061 Cable Flame Test

Last Update (06.10.2021)

©2021 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® 150

Oil-resistant according to EN 50363-4-1: TM5

Norm references / Approvals

H05VV5-F (EN 50525-2-51)

UL AWM Style 21098

CSA AWM I A/B II A/B

Multi-standard cables have conductor strands with nominal sizes in mm² 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

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: 12.5 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	HAR U0/U: 300/500 V UL/CSA: 600 V
Test voltage:	3000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: HAR: -5°C to +70°C UL/CSA: +90°C Fixed installation: HAR: -40°C to +70°C UL/CSA: +90°C

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.

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)
ÖLFLEX® 150			
0015002	2 X 0.5	5.9	9.6
0015003	3 G 0.5	6.2	14.4
0015004	4 G 0.5	6.8	19.2
0015005	5 G 0.5	7.4	24
0015007	7 G 0.5	9	33.6
0015012	12 G 0.5	11.1	58
0015018	18 G 0.5	13.2	86.4
0015025	25 G 0.5	15.7	120
0015034	34 G 0.5	18.1	164
0015041	41 G 0.5	19.7	197
0015102	2 X 0.75	6.3	14.4
0015103	3 G 0.75	6.7	21.6
0015104	4 G 0.75	7.2	28.8
0015105	5 G 0.75	8.1	36
0015107	7 G 0.75	9.9	50
0015112	12 G 0.75	12	86
0015118	18 G 0.75	14.4	130
0015125	25 G 0.75	17.1	180
0015134	34 G 0.75	19.7	245
0015141	41 G 0.75	21.6	296
0015202	2 X 1.0	6.6	19.2
0015203	3 G 1.0	7	28.8
0015204	4 G 1.0	7.8	38.4
0015205	5 G 1.0	8.6	48
0015206	6 G 1.0	9.5	57.6
0015207	7 G 1.0	10.4	67
0015212	12 G 1.0	12.8	115
0015218	18 G 1.0	15.1	173
0015225	25 G 1.0	18	240
0015234	34 G 1.0	20.9	326
0015241	41 G 1.0	22.8	394
0015250	50 G 1.0	25	480
0015302	2 X 1.5	7.6	28.8

Last Update (06.10.2021)
 ©2021 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

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)
0015303	3 G 1.5	8.3	43
0015304	4 G 1.5	9	58
0015305	5 G 1.5	10.1	72
0015307	7 G 1.5	12.5	101
0015312	12 G 1.5	15.1	173
0015318	18 G 1.5	18	259
0015325	25 G 1.5	21.4	360
0015334	34 G 1.5	25	490
0015341	41 G 1.5	27.2	591
0015402	2 X 2.5	9.2	48
0015403	3 G 2.5	9.9	72
0015404	4 G 2.5	10.8	96
0015405	5 G 2.5	12.1	120
0015407	7 G 2.5	14.7	168
0015412	12 G 2.5	17.9	288
0015418	18 G 2.5	21.6	432
0015425	25 G 2.5	25.6	600

Last Update (06.10.2021)
 ©2021 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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Ribbon Cables / IDC Cables](#) category:

Click to view products by [Lapp Kabel](#) manufacturer:

Other Similar products are found below :

[FSK-12A](#) [AWG28-10G](#) [EHJ3C](#) [EHJ4C](#) [FSP-25A](#) [cab-LVDV-DAT-34-15](#) [49635-C62-S2](#) [1-3636-600-5204](#) [92315-1408](#) [426171120-3](#) [2-1589735-3](#) [JSM015PP2DCC23N](#) [92301-0283](#) [ACL-eSSI-2](#) [92301-0718](#) [MMSDT-06-20-S-05.5-D-K-LDX](#) [IDD-04-G](#) [NM-2J2-051-PS1-JJAB](#) [1700/26SF \(100FT\)](#) [1700/34SF \(100FT\)](#) [3801/09 \(100FT\)](#) [S30109](#) [96053-0000-00-0](#) [NM-2J2-065-SS1-JJ00-272](#) [7940098862](#) [IDMD-13-D-07.87](#) [166466](#) [HQCD-030-40.00-TTL-SBL-1-N](#) [HDR-201768-01-PCIEC](#) [DS1052-082B2NA201501](#) [DS1052-102B2NA201501](#) [DS1052-122B2MA201501](#) [DS1052-122B2NA201501](#) [DS1052-262B2NA201501](#) [DS1052-302B2MA201501](#) [DS1052-302B2MA203001](#) [DS1052-302B2MA206001](#) [DS1052-302B2NA201501](#) [DS1052-302B2NA203001](#) [DS1052-302B2NA206001](#) [DS1052-342B2MA201501](#) [DS1052-342B2MA203001](#) [DS1052-342B2NA201501](#) [DS1052-342B2NA203001](#) [DS1052-342B2NA206001](#) [DS1052-402B2MA201501](#) [DS1052-402B2MA203001](#) [DS1052-402B2MA206001](#) [DS1052-402B2NA201501](#) [DS1052-402B2NA203001](#)