

ÖLFLEX® WIRE MS B

UL listed (MTW), CSA (TEW), H07V2-K: max. +90 °C, UL (AWM): Umax = 1 kV, bare copper conductor

ÖLFLEX® WIRE MS B, power and control cable, PVC stranded cable, field wiring, UL MTW VW-1, UL AWM 10269 1000 V, CSA TEW FT1, HAR H07V2-K +90 °C

Info

Higher maximum conductor temperature - H07V2-K: +90 °C according to EN 50525-2-31

The new product will be available from February 2, 2026!

CPR: Article number choice under www.lappkabel.com/cpr



Oil-resistant

Benefits

For use in the most important global markets

Reduction in technical documentation

Easier storage; increases the cost-effectiveness of the production process

Works with "Conductor end sleeves XL, insulated"

Application range

Factory wiring

Field wiring

Internal wiring of devices and in control cabinets

Ultrasonic welding

Green insulated single cores ≥ 4 AWG are usable as EGC/ Equipment Grounding Conductor on cable tray according to NFPA 70 (NEC)

Product features

Flame-retardant according IEC 60332-1-2

Flame-retardant according to UL VW1/CSA FT1

Oil-resistant

Last Update (11.04.2026)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

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Norm references / Approvals

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.

Cable type certifications: <HAR> H07V2-K acc. EN 50525-2-31, UL AWM

style 10269 (by UL acc. UL standard UL 758, U.I. Lapp GmbH's UL AWM file number: E63634), (UL) MTW (by UL acc. UL standard UL 1063, U.I. Lapp GmbH's (UL) MTW

file number: E198296), CSA TEW (by CSA acc.

CSA standard CSA C22.2 No. 127, CSA class 5835-01)

Product Make-up

Conductors: Finely stranded bare copper

Special PVC-based core insulation

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single core cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000993 ETIM 6.0 Class-Description: Single core cable
Conductor stranding:	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius:	OD ≤ 8 mm: 4 x OD*/2 x OD**; 8 < OD ≤ 12 mm: 5 x OD*/3 x OD**; OD > 12 mm: 6 x OD*/4 x OD**
Nominal voltage:	HAR / IEC: U0/U: 450/750 V; UL (AWM): U: 1000 V; UL (MTW): U: 600 V; CSA (TEW): U: 600 V
Test voltage:	2500 V
Temperature range:	Fixed installation: HAR/IEC: -40 °C to +90 °C; UL (AWM): up to +105 °C; UL (MTW): up to +90 °C; CSA (TEW): up to +105 °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.

Packaging size: Coil ≤ 30 kg, otherwise drum

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.

Non-harmonised, nominal cross-sections: 0.5 mm², 0.75 mm², 1 mm², 16 mm², 50 mm², 70 mm², 95 mm², 120 mm²
*for conventional use, **for careful bending; "OD" = outer diameter

The outer diameters stated in the part number table are maximum values.

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Article number	Core colour	Outer diameter [mm]	m/ring	m/box	Copper index (kg/km)	Weight (kg/km)
4190102	black	2.5	100	100	4.8	10
4190103	blue	2.5	100	100	4.8	10
4190107	dark blue	2.5	100	100	4.8	10
4190107K	dark blue	2.5	-	3000	4.8	10
4190101	green/yellow	2.5	100	100	4.8	10
4190106	orange	2.5	100	100	4.8	10
4190105	violet	2.5	100	100	4.8	10
4190104	white	2.5	100	100	4.8	10
4190108	white/blue	2.5	100	100	4.8	10
4190108K	white/blue	2.5	-	3000	4.8	10
4190110	black	2.7	100	100	7.2	14
4190111	blue	2.7	100	100	7.2	14
4190115K	dark blue	2.7	-	2500	7.2	14
4190115	dark blue	2.7	100	100	7.2	14
4190109	green/yellow	2.7	100	100	7.2	14
4190114	orange	2.7	100	100	7.2	14
4190112	red	2.7	100	100	7.2	14
4190113	violet	2.7	100	100	7.2	14
4190116	white/blue	2.7	100	100	7.2	14
4190118	black	2.9	100	100	9.6	16
4190120	brown	2.9	100	100	9.6	16
4190119	blue	2.9	100	100	9.6	16
4190124	dark blue	2.9	100	100	9.6	16
4190124K	dark blue	2.9	-	2000	9.6	16
4190117K	green/yellow	2.9	-	2000	9.6	16
4190117	green/yellow	2.9	100	100	9.6	16
4190123	orange	2.9	100	100	9.6	16
4190121	red	2.9	100	100	9.6	16
4190122	white	2.9	100	100	9.6	16
4190125	white/blue	2.9	100	100	9.6	16
4190125K	white/blue	2.9	-	2000	9.6	16
4190127	black	3.1	100	100	14.4	20
4190127K	black	3.1	-	1500	14.4	20
4190128	blue	3.1	100	100	14.4	20
4190132	dark blue	3.1	100	100	14.4	20

Last Update (11.04.2026)

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Article number	Core colour	Outer diameter [mm]	m/ring	m/box	Copper index (kg/km)	Weight (kg/km)
4190132K	dark blue	3.1	-	1500	14.4	20
4190126	green/yellow	3.1	100	100	14.4	20
4190131	orange	3.1	100	100	14.4	20
4190129	red	3.1	100	100	14.4	20
4190130	white	3.1	100	100	14.4	20
4190133	white/blue	3.1	100	100	14.4	20
4190135K	black	3.7	-	900	24	37
4190135	black	3.7	100	100	24	37
4190136	blue	3.7	100	100	24	37
4190138	dark blue	3.7	100	100	24	37
4190134	green/yellow	3.7	100	100	24	37
4190134K	green/yellow	3.7	-	900	24	37
4190137	white	3.7	100	100	24	37
4190139	white/blue	3.7	100	100	24	37
4190141	black	4.3	100	100	38.4	45
4190142	blue	4.3	100	100	38.4	45
4190145	dark blue	4.3	100	100	38.4	45
4190140	green/yellow	4.3	100	100	38.4	45
4190143	white	4.3	100	100	38.4	45
4190144	white/blue	4.3	100	100	38.4	45
4190147	black	4.8	100	100	57.6	63
4190148	dark blue	4.8	100	100	57.6	63
4190146	green/yellow	4.8	100	100	57.6	63
4190149	white	4.8	100	100	57.6	63
4190151	black	6.5	100	100	96	120
4190152	dark blue	6.5	100	100	96	120
4190150	green/yellow	6.5	100	100	96	120
4190154	black	8.6	100	100	153.6	185
4190153	green/yellow	8.6	100	100	153.6	185
4190156	black	9.8	100	100	240	260
4190155	green/yellow	9.8	100	100	240	260
4190158	black	11.3	-	50	336	360
4190157	green/yellow	11.3	-	50	336	360

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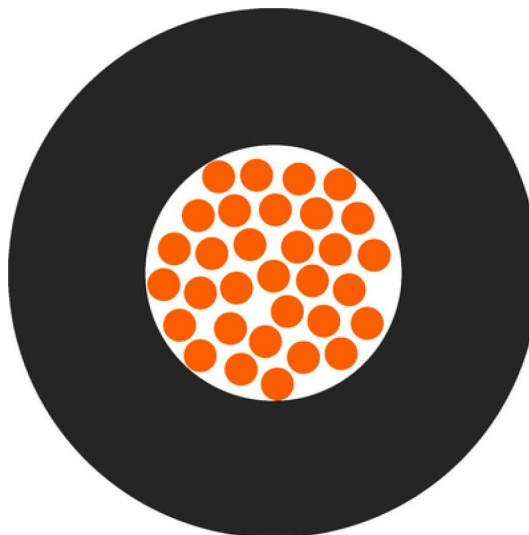
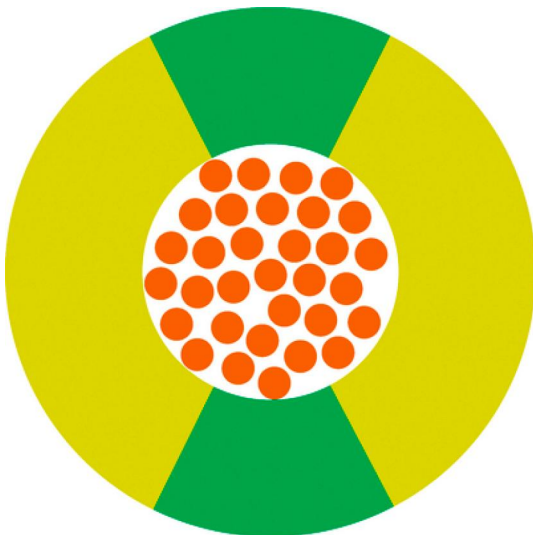
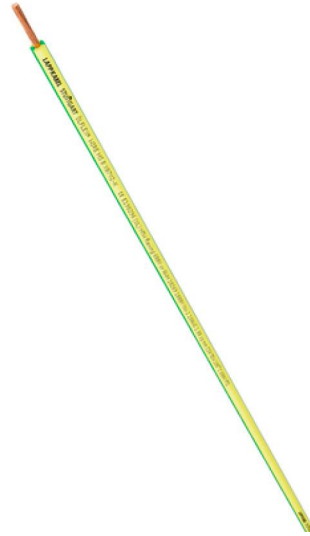
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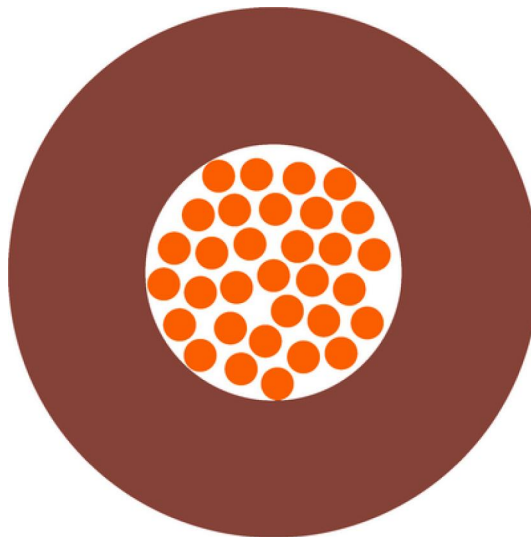
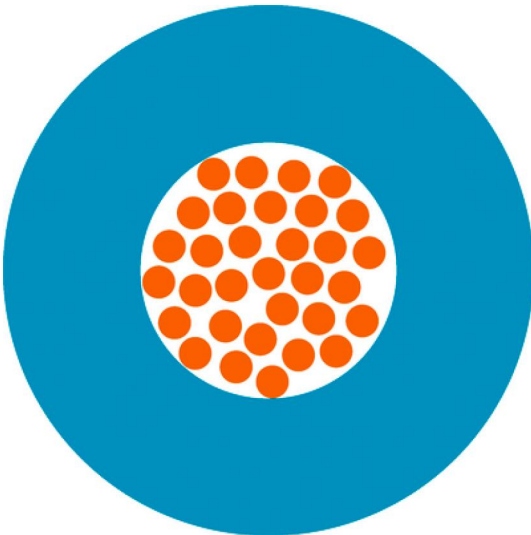
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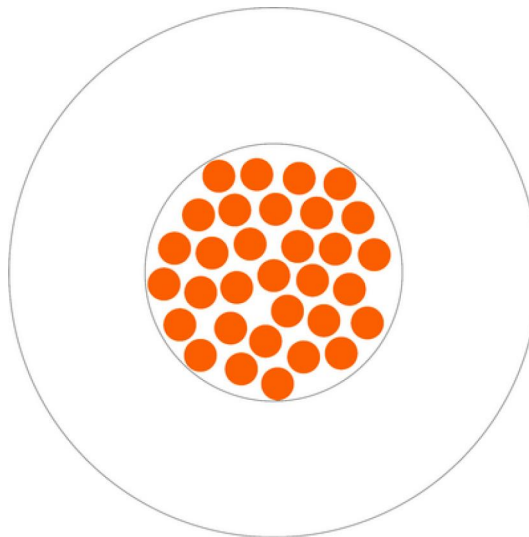
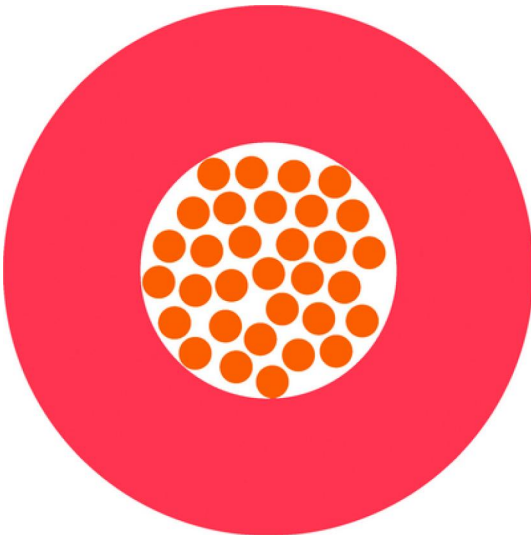
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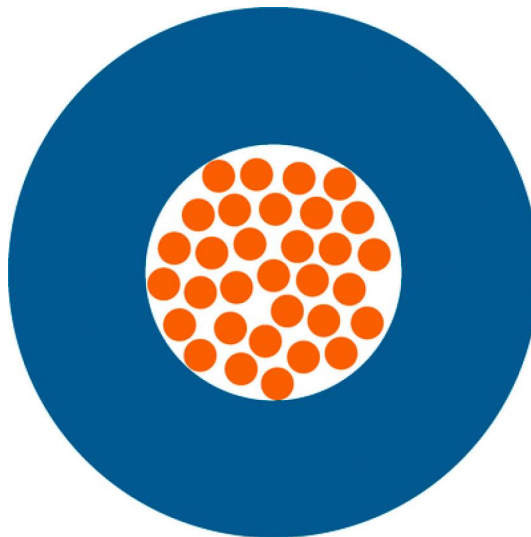
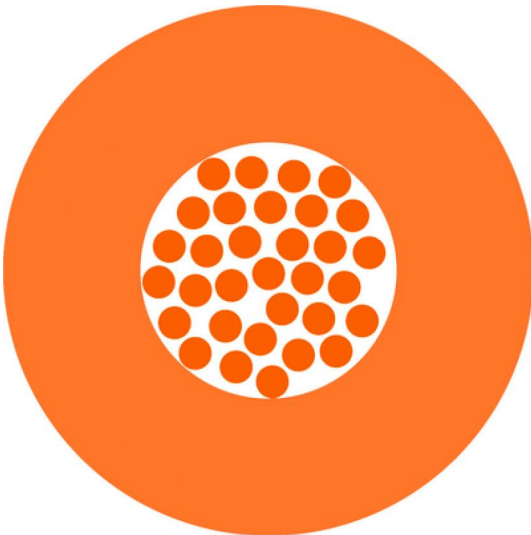
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