

ÖLFLEX® POWER RV-K



ÖLFLEX® POWER RV-K cables are suitable as power and control cables for fixed installation subject to medium mechanical load conditions. These cables are suitable for permanent indoor and outdoor fixed installations, can be buried in tubes or conduits.

Cables can be directly buried in ground, according to methods of installation are D1 or D2, of the standard IEC 60364-5-52. As power and connecting cable for control systems in machine tools, plant engineering and construction, industrial machinery, production and assembly lines, public buildings and similar applications.

General information

Brand	ÖLFLEX®
Product type	Power cables

Electrical parameters

Nominal voltage	U_0/U : 0,6/1 kV AC rms according to IEC
Test voltage	3.5 kV
Current rating according to	IEC 60364-5-52
Short-circuit temperature [5s]	250 °C

Product design

Conductor material	Bare copper
Conductor design	IEC 60228 class 5: fine-wire
Conductor shape	Round
Stranding type	Layered stranding
Cable shape	Round
Core insulation basic material	Cross-linked polyethylene
Compound type of core insulation	DIX3 according to HD 603-1
Basic material of outer sheath	Polyvinylchloride
Compound type of outer sheath	ST-2 according to IEC 60502-1
Outer sheath colour	black
Cable sheath RAL colour	similar to RAL 9005

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Product features

Application area	Fixed installation
Suitable for underground installation	in cable trench in protective cable conduit
Temperature, fixed installation	-30 °C to 90 °C max. conductor temperature
Installation temperature min.	0 °C
Max. assembly temperature	70 °C
Flame retardance according to	IEC 60332-1-2
UV-resistant according to	UNE 211605

Certifications and standards

CPR reference	In accordance with EN 13501-6 and EN 50575
CE conformity acc.	2014/35/EU (Low Voltage Directive)
Substance-specific requirements acc.	2011/65/EU: RoHS Directive
CE marking	Yes
Product standard according to IEC	in accordance with IEC 60502-1
Product standard AENOR	UNE 21123-2
CPR class	Eca

Part number	Conductor number/size	Nominal outer diameter	Conductor colour code	Minimum bending radius, stationary	Weight
15510002	1X10	8.3 mm	HD 308 S2	4 x outer diameter	140 kg/km
15510009	1X120	19.1 mm	HD 308 S2	4 x outer diameter	1130 kg/km
15510010	1X150	21.4 mm	HD 308 S2	4 x outer diameter	1410 kg/km
15510003	1X16	9.3 mm	HD 308 S2	4 x outer diameter	200 kg/km
15510011	1X185	24.0 mm	HD 308 S2	4 x outer diameter	1730 kg/km
15510012	1X240	26.7 mm	HD 308 S2	5 x outer diameter	2240 kg/km
15510004	1X25	11.1 mm	HD 308 S2	4 x outer diameter	290 kg/km
15510013	1X300	30.3 mm	HD 308 S2	5 x outer diameter	2800 kg/km
15510005	1X35	12.4 mm	HD 308 S2	4 x outer diameter	380 kg/km
15510006	1X50	14.2 mm	HD 308 S2	4 x outer diameter	530 kg/km
15510001	1X6	7.3 mm	HD 308 S2	4 x outer diameter	100 kg/km
15510007	1X70	16.1 mm	HD 308 S2	4 x outer diameter	700 kg/km
15510008	1X95	17.7 mm	HD 308 S2	4 x outer diameter	920 kg/km
15510014	2X4	10.6 mm	HD 308 S2	4 x outer diameter	210 kg/km
15510015	3G1,5	9.2 mm	HD 308 S2	4 x outer diameter	140 kg/km
15510019	3G10	14.3 mm	HD 308 S2	4 x outer diameter	470 kg/km
15510020	3G16	16.7 mm	HD 308 S2	4 x outer diameter	660 kg/km
15510016	3G2,5	10.1 mm	HD 308 S2	4 x outer diameter	180 kg/km
15510021	3G25	20.3 mm	HD 308 S2	4 x outer diameter	1000 kg/km
15510017	3G4	11.3 mm	HD 308 S2	4 x outer diameter	230 kg/km
15510018	3G6	12.5 mm	HD 308 S2	4 x outer diameter	300 kg/km
15510022	4G1,5	10.7 mm	HD 308 S2	4 x outer diameter	170 kg/km
15510023	4G2,5	11.8 mm	HD 308 S2	4 x outer diameter	220 kg/km
15510024	4G4	13.1 mm	HD 308 S2	4 x outer diameter	280 kg/km
15510025	4G6	14.4 mm	HD 308 S2	4 x outer diameter	370 kg/km
15510053	3X240+1G120	58.7 mm	HD 308 S2	6 x outer diameter	8870 kg/km
15510051	4G185	49.3 mm	HD 308 S2	5 x outer diameter	7650 kg/km
15510052	4G240	56.6 mm	HD 308 S2	6 x outer diameter	10020 kg/km

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Part number	Conductor number/size	Nominal outer diameter	Conductor colour code	Minimum bending radius, stationary	Weight
15510043	12G1,5	16.2 mm	EN 50334	4 x outer diameter	330 kg/km
15510044	12G2,5	18.1 mm	EN 50334	4 x outer diameter	440 kg/km
15510045	19G1,5	18.9 mm	EN 50334	4 x outer diameter	470 kg/km
15510046	19G2,5	21.2 mm	EN 50334	4 x outer diameter	660 kg/km
15510047	24G1,5	21.5 mm	EN 50334	4 x outer diameter	580 kg/km
15510048	24G2,5	24.2 mm	EN 50334	4 x outer diameter	810 kg/km
15510026	4G10	16.8 mm	HD 308 S2	4 x outer diameter	570 kg/km
15510049	4G120	40.5 mm	HD 308 S2	5 x outer diameter	4990 kg/km
15510050	4G150	44.6 mm	HD 308 S2	5 x outer diameter	6270 kg/km
15510027	4G16	19.3 mm	HD 308 S2	4 x outer diameter	810 kg/km
15510028	4G25	23.7 mm	HD 308 S2	4 x outer diameter	1230 kg/km
15510029	4G35	26.8 mm	HD 308 S2	5 x outer diameter	1630 kg/km
15510030	4G50	31.4 mm	HD 308 S2	5 x outer diameter	2300 kg/km
15510031	4G70	35.7 mm	HD 308 S2	5 x outer diameter	3060 kg/km
15510032	4G95	38.2 mm	HD 308 S2	5 x outer diameter	3990 kg/km
15510033	5G1,5	11.5 mm	HD 308 S2	4 x outer diameter	190 kg/km
15510037	5G10	18.4 mm	HD 308 S2	4 x outer diameter	680 kg/km
15510038	5G16	21.1 mm	HD 308 S2	4 x outer diameter	980 kg/km
15510034	5G2,5	12.7 mm	HD 308 S2	4 x outer diameter	260 kg/km
15510039	5G25	26.1 mm	HD 308 S2	5 x outer diameter	1490 kg/km
15510040	5G35	29.4 mm	HD 308 S2	5 x outer diameter	2000 kg/km
15510035	5G4	14.2 mm	HD 308 S2	4 x outer diameter	340 kg/km
15510036	5G6	15.7 mm	HD 308 S2	4 x outer diameter	450 kg/km
15510041	7G1,5	13.1 mm	EN 50334	4 x outer diameter	230 kg/km
15510042	7G2,5	14.5 mm	EN 50334	4 x outer diameter	290 kg/km

Notes

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

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

The absence of PWIS raw materials does not protect against the potential risk of contamination with substances that interfere with the paint wetting during subsequent handling of the product(s) during transport, storage or further processing after delivery.