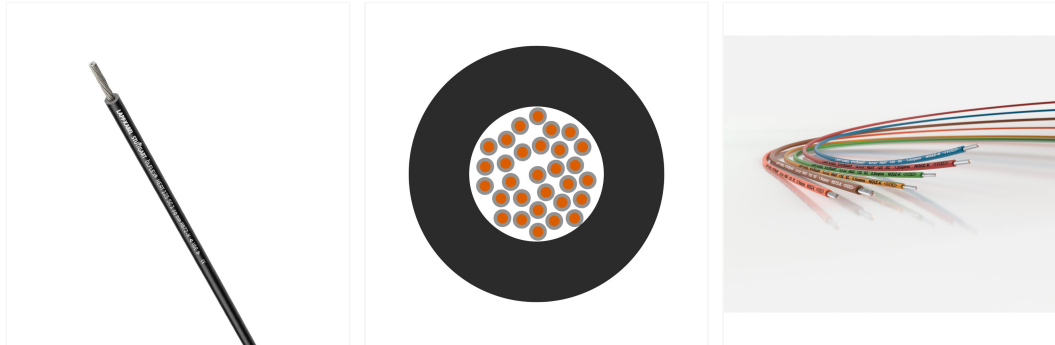


## ÖLFLEX® HEAT 125 SC 300/500V 1X1 BK

**Article No.:** 1234001K

Single conductor; 1X1; black;  $U_0/U$ : 300/500 V; Electron-beam cross-linked polymer compound; -55°C - 125°C; Fixed Installation



### Details

#### Benefits

- For the protection of people and property.
- Electron beam cross-linked insulating material enables use at low and high temperatures (-55°C to +125°C [-67°F to +257°F]).
- Halogen free and highly flame retardant materials reduce the risk of flame propagation, high smoke density and toxic flue gases in the event of a fire.
- VDE-certified cable with <VDE> testing mark for proven reliability and quality.
- DNV approval for maritime use.
- Suitable for voltage class 300/500 V.
- Also available in large disposable cardboard boxes.

#### Application

- For universal use for wiring machine-internal and cross-plant control circuits.
- Typical areas of application are heaters, switchgear, connection boxes, lighting, etc.
- Suitable for use in AC and DC charging infrastructures for electromobility.
- For fixed installation and occasional flexing without tensile strain.
- Can be used in dry, damp and, especially, harsh and oily environments.
- The electron beam cross-linked polymer compound is highly resistant to oils, fuels, alkaline solutions and acids.

### Notes

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

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional 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.

### Remarks

### Technical Data

#### General information

Brand	ÖLFLEX®
Product type	Single conductor
Copper index	64.51 lb/10000 ft
Single core packaging type	Large Cardboard Box
Length per PU	8,202.1 ft
Industry segment	Food & Beverage Rolling Stock

#### Electrical parameters

Nominal voltage	$U_0/U$ : 300/500 V AC rms according to IEC
test voltage	4 kV

#### Product design

Harmonized product type	H07Z-K
Cable dimension	1X1
Nominal cross section conductor (mm <sup>2</sup> )	1 mm <sup>2</sup>
Conductor material	Tin-plated Copper

Conductor design	IEC 60228 class 5: fine-wire
Number of cores	1
Stranding type	Layered Stranding
Nominal outer diameter	0.098 in
Cable form	Round
Core insulation base material	Electron-beam cross-linked polymer compound
Single core color	black
Single conductor identification	Single-colored

**Product features**

Application area	Fixed Installation
Minimum bending radius, stationary	4 x outer diameter
Minimum bending radius in inch, fixed installation	0.394 in
Minimum bending radius, occasionally moved	6 x outer diameter
Minimum bending radius in mm, occasionally moved	0.591 in
Temperature, fixed installation	-55 °C to 125 °C max. conductor temperature
Temperature, occasionally moved	-35 °C to 120 °C max. conductor temperature
Short term temperature peak	145 °C
Short term temperature max.	145 °C
Flame-retardant	Yes
Flame retardance according to	IEC 60332-3-22 IEC 60332-1-2
UV-resistant	Yes
UV-resistant according to	EN ISO 4892-2, method A (color change permitted)
Halogenfree	Yes
Halogen-free according to	IEC 60754-1
Oil resistant	Yes
Oil resistance according to	EN 50290-2-22: TM 54

PWIS-free	Yes
PWIS-free according to	VDMA 24364-B2-L

**Certifications and standards**

CE marking	Yes
EAC certified	Yes
EAC certification number	EAЭC N RU Д-DE.АЮ64.В.00130/20
UL recognized	No
UL listed	No
cUR recognized	No
cUL listed	No
CSA certified	No
VDE certified	Yes
HAR-certified	No
DNV-certified	Yes
CPR fire class	Dca
CPR smoke density	s1
CPR droplets	d1
CPR acidity	a1
Resistance to flame propagation tested according to UN/ECE-R118	No

**ÖLFLEX® HEAT 125 SC 300/500 V**

Article No.	Name	Nominal cross section conductor (mm <sup>2</sup> )	Single core color	Single core packaging type	Length per PU	Nominal voltage	Nominal conductor diameter	Copper index
1232000	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 5 GNYE	0.5 mm <sup>2</sup>	green/yellow	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		32.3 lb /10000 ft
1232001	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 5 BK	0.5 mm <sup>2</sup>	black	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		32.3 lb /10000 ft
1232001K	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 5 BK	0.5 mm <sup>2</sup>	black	Large Cardboard Box	9,842.52 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		32.26 lb /10000 ft
1232002	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 5 BU	0.5 mm <sup>2</sup>	blue	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		32.25 lb /10000 ft
1232003	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 5 BN	0.5 mm <sup>2</sup>	brown	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		32.25 lb /10000 ft
1232005	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 5 YE	0.5 mm <sup>2</sup>	yellow	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		32.3 lb /10000 ft
1232006	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 5 GN	0.5 mm <sup>2</sup>	green	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		32.3 lb /10000 ft
1232007	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 5 VT	0.5 mm <sup>2</sup>	violet	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		32.3 lb /10000 ft
1232009	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 5 OG	0.5 mm <sup>2</sup>	orange	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		32.3 lb /10000 ft
1232104	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 5 RD	0.5 mm <sup>2</sup>	red	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		32.3 lb /10000 ft
1232105	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 5 WH	0.5 mm <sup>2</sup>	white	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		32.3 lb /10000 ft
1232106	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 5 GY	0.5 mm <sup>2</sup>	gray	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		32.3 lb /10000 ft
1232114	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 5 DBU	0.5 mm <sup>2</sup>	dark blue	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		32.3 lb /10000 ft
1233000	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 GNYE	0.75 mm <sup>2</sup>	green/yellow	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.4 lb /10000 ft

Article No.	Name	Nominal cross section conductor (mm <sup>2</sup> )	Single core color	Single core packaging type	Length per PU	Nominal voltage	Nominal conductor diameter	Copper index
1233001	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 BK	0.75 mm <sup>2</sup>	black	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.4 lb /10000 ft
1233001K	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 BK	0.75 mm <sup>2</sup>	black	Large Cardboard Box	8,202.1 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.38 lb /10000 ft
1233002	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 BU	0.75 mm <sup>2</sup>	blue	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.4 lb /10000 ft
1233002K	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 BU	0.75 mm <sup>2</sup>	blue	Large Cardboard Box	8,202.1 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.38 lb /10000 ft
1233003	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 BN	0.75 mm <sup>2</sup>	brown	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.4 lb /10000 ft
1233005	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 YE	0.75 mm <sup>2</sup>	yellow	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.4 lb /10000 ft
1233006	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 GN	0.75 mm <sup>2</sup>	green	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.4 lb /10000 ft
1233007	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 VT	0.75 mm <sup>2</sup>	violet	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.4 lb /10000 ft
1233009	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 OG	0.75 mm <sup>2</sup>	orange	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.4 lb /10000 ft
1233009K	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 OG	0.75 mm <sup>2</sup>	orange	Large Cardboard Box	8,202.1 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.38 lb /10000 ft
1233104	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 RD	0.75 mm <sup>2</sup>	red	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.4 lb /10000 ft
1233105	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 WH	0.75 mm <sup>2</sup>	white	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.4 lb /10000 ft
1233105K	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 WH	0.75 mm <sup>2</sup>	white	Large Cardboard Box	8,202.1 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.38 lb /10000 ft
1233106	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 GY	0.75 mm <sup>2</sup>	gray	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.4 lb /10000 ft

Article No.	Name	Nominal cross section conductor (mm <sup>2</sup> )	Single core color	Single core packaging type	Length per PU	Nominal voltage	Nominal conductor diameter	Copper index
1233106K	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 GY	0.75 mm <sup>2</sup>	gray	Large Cardboard Box	8,202.1 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.38 lb /10000 ft
1233114	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 DBU	0.75 mm <sup>2</sup>	dark blue	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.4 lb /10000 ft
1233114K	ÖLFLEX® HEAT 125 SC 300/500V 1X0, 75 DBU	0.75 mm <sup>2</sup>	dark blue	Large Cardboard Box	8,202.1 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		48.38 lb /10000 ft
1234000	ÖLFLEX® HEAT 125 SC 300/500V 1X1 GNYE	1 mm <sup>2</sup>	green/yellow	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.5 lb /10000 ft
1234000K	ÖLFLEX® HEAT 125 SC 300/500V 1X1 GNYE	1 mm <sup>2</sup>	green/yellow	Large Cardboard Box	8,202.1 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.51 lb /10000 ft
1234001	ÖLFLEX® HEAT 125 SC 300/500V 1X1 BK	1 mm <sup>2</sup>	black	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.5 lb /10000 ft
1234001K	ÖLFLEX® HEAT 125 SC 300/500V 1X1 BK	1 mm <sup>2</sup>	black	Large Cardboard Box	8,202.1 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.51 lb /10000 ft
1234002	ÖLFLEX® HEAT 125 SC 300/500V 1X1 BU	1 mm <sup>2</sup>	blue	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.5 lb /10000 ft
1234003	ÖLFLEX® HEAT 125 SC 300/500V 1X1 BN	1 mm <sup>2</sup>	brown	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.5 lb /10000 ft
1234003K	ÖLFLEX® HEAT 125 SC 300/500V 1X1 BN	1 mm <sup>2</sup>	brown	Large Cardboard Box	8,202.1 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.51 lb /10000 ft
1234005	ÖLFLEX® HEAT 125 SC 300/500V 1X1 YE	1 mm <sup>2</sup>	yellow	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.5 lb /10000 ft
1234006	ÖLFLEX® HEAT 125 SC 300/500V 1X1 GN	1 mm <sup>2</sup>	green	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.5 lb /10000 ft
1234007	ÖLFLEX® HEAT 125 SC 300/500V 1X1 VT	1 mm <sup>2</sup>	violet	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.5 lb /10000 ft
1234009	ÖLFLEX® HEAT 125 SC 300/500V 1X1 OG	1 mm <sup>2</sup>	orange	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.51 lb /10000 ft

Article No.	Name	Nominal cross section conductor (mm <sup>2</sup> )	Single core color	Single core packaging type	Length per PU	Nominal voltage	Nominal conductor diameter	Copper index
1234104	ÖLFLEX® HEAT 125 SC 300/500V 1X1 RD	1 mm <sup>2</sup>	red	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.5 lb /10000 ft
1234104K	ÖLFLEX® HEAT 125 SC 300/500V 1X1 RD	1 mm <sup>2</sup>	red	Large Cardboard Box	8,202.1 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.51 lb /10000 ft
1234105	ÖLFLEX® HEAT 125 SC 300/500V 1X1 WH	1 mm <sup>2</sup>	white	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.5 lb /10000 ft
1234105K	ÖLFLEX® HEAT 125 SC 300/500V 1X1 WH	1 mm <sup>2</sup>	white	Large Cardboard Box	8,202.1 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.51 lb /10000 ft
1234106	ÖLFLEX® HEAT 125 SC 300/500V 1X1 GY	1 mm <sup>2</sup>	gray	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.5 lb /10000 ft
1234106K	ÖLFLEX® HEAT 125 SC 300/500V 1X1 GY	1 mm <sup>2</sup>	gray	Large Cardboard Box	8,202.1 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.51 lb /10000 ft
1234114	ÖLFLEX® HEAT 125 SC 300/500V 1X1 DBU	1 mm <sup>2</sup>	dark blue	Ring	328.084 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.5 lb /10000 ft
1234114K	ÖLFLEX® HEAT 125 SC 300/500V 1X1 DBU	1 mm <sup>2</sup>	dark blue	Large Cardboard Box	8,202.1 ft	U <sub>0</sub> /U: 300/500 V AC rms according to IEC		64.51 lb /10000 ft

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