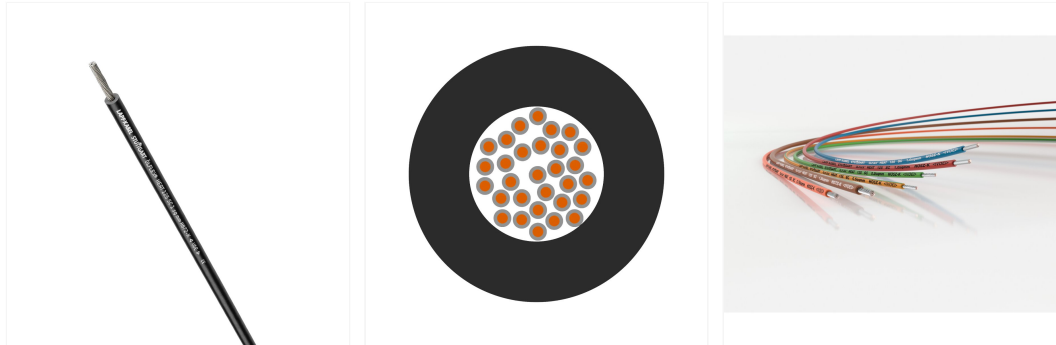


ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 BN

Article No.: 1235003K

Single conductor; 1X1.5; brown; U_0/U : 450/750 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 450/750 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	96.76 lb/10000 ft
Single core packaging type	Large Cardboard Box
Length per PU	6,561.68 ft
Industry segment	Assembly Machines Construction Machinery Energy Food & Beverage Rolling Stock Ships & boats Solar

Electrical parameters

Nominal voltage fixed installation	U_0/U : 0,6/1 kV AC rms according to IEC
Nominal voltage	U_0/U : 450/750 V AC rms according to IEC
test voltage	4 kV

Product design

Harmonized product type	H07Z-K
Cable dimension	1X1.5
Nominal cross section conductor (mm ²)	1.5 mm ²
Conductor material	Tin-plated Copper
Conductor design	IEC 60228 class 5: fine-wire
Number of cores	1
Stranding type	Layered Stranding
Nominal outer diameter	0.118 in
Cable form	Round
Core insulation base material	Electron-beam cross-linked polymer compound
Single core color	brown
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	0.472 in
Minimum bending radius, occasionally moved	6 x outer diameter
Minimum bending radius in mm, occasionally moved	0.709 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	EAЭС N RU Д-DE.АЮ064.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 450/750 V

Article No.	Name	Nominal cross section conductor (mm ²)	Single core color	Single core packaging type	Length per PU	Nominal voltage	Nominal conductor diameter	Copper index
1235000	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 GNYE	1.5 mm ²	green/yellow	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.8 lb/10000 ft
1235000K	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 GNYE	1.5 mm ²	green/yellow	Large Cardboard Box	6,561.68 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.76 lb/10000 ft
1235001	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 BK	1.5 mm ²	black	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.75 lb/10000 ft
1235001K	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 BK	1.5 mm ²	black	Large Cardboard Box	6,561.68 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.76 lb/10000 ft
1235002	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 BU	1.5 mm ²	blue	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.75 lb/10000 ft
1235002K	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 BU	1.5 mm ²	blue	Large Cardboard Box	6,561.68 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.76 lb/10000 ft
1235003	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 BN	1.5 mm ²	brown	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.8 lb/10000 ft
1235003K	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 BN	1.5 mm ²	brown	Large Cardboard Box	6,561.68 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.76 lb/10000 ft
1235005	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 YE	1.5 mm ²	yellow	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.8 lb/10000 ft
1235006	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 GN	1.5 mm ²	green	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.75 lb/10000 ft
1235007	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 VT	1.5 mm ²	violet	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.8 lb/10000 ft
1235009	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 OG	1.5 mm ²	orange	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.8 lb/10000 ft
1235009K	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 OG	1.5 mm ²	orange	Large Cardboard Box	6,561.68 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.76 lb/10000 ft
1235104	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 RD	1.5 mm ²	red	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.75 lb/10000 ft

Article No.	Name	Nominal cross section conductor (mm ²)	Single core color	Single core packaging type	Length per PU	Nominal voltage	Nominal conductor diameter	Copper index
1235104K	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 RD	1.5 mm ²	orange	Large Cardboard Box	6,561.68 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.76 lb/10000 ft
1235105	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 WH	1.5 mm ²	white	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.75 lb/10000 ft
1235105K	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 WH	1.5 mm ²	white	Large Cardboard Box	6,561.68 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.76 lb/10000 ft
1235106	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 GY	1.5 mm ²	gray	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.8 lb/10000 ft
1235106K	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 GY	1.5 mm ²	gray	Large Cardboard Box	6,561.68 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.76 lb/10000 ft
1235114	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 DBU	1.5 mm ²	dark blue	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.8 lb/10000 ft
1235114K	ÖLFLEX® HEAT 125 SC 450/750V 1X1,5 DBU	1.5 mm ²	dark blue	Large Cardboard Box	6,561.68 ft	U ₀ /U: 450/750 V AC rms according to IEC		96.76 lb/10000 ft
1236000	ÖLFLEX® HEAT 125 SC 450/750V 1X2,5 GNYE	2.5 mm ²	green/yellow	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		161.3 lb/10000 ft
1236001	ÖLFLEX® HEAT 125 SC 450/750V 1X2,5 BK	2.5 mm ²	black	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		161.3 lb/10000 ft
1236001K	ÖLFLEX® HEAT 125 SC 450/750V 1X2,5 BK	2.5 mm ²	black	Large Cardboard Box	3,937.008 ft	U ₀ /U: 450/750 V AC rms according to IEC		161.27 lb /10000 ft
1236002	ÖLFLEX® HEAT 125 SC 450/750V 1X2,5 BU	2.5 mm ²	blue	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		161.3 lb/10000 ft
1236003	ÖLFLEX® HEAT 125 SC 450/750V 1X2,5 BN	2.5 mm ²	brown	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		161.3 lb/10000 ft
1236005	ÖLFLEX® HEAT 125 SC 450/750V 1X2,5 YE	2.5 mm ²	yellow	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		161.3 lb/10000 ft
1236006	ÖLFLEX® HEAT 125 SC 450/750V 1X2,5 GN	2.5 mm ²	green	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		161.3 lb/10000 ft

Article No.	Name	Nominal cross section conductor (mm ²)	Single core color	Single core packaging type	Length per PU	Nominal voltage	Nominal conductor diameter	Copper index
1236007	ÖLFLEX® HEAT 125 SC 450/750V 1X2,5 VT	2.5 mm ²	violet	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		161.3 lb/10000 ft
1236009	ÖLFLEX® HEAT 125 SC 450/750V 1X2,5 OG	2.5 mm ²	orange	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		161.3 lb/10000 ft
1236104	ÖLFLEX® HEAT 125 SC 450/750V 1X2,5 RD	2.5 mm ²	red	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		161.3 lb/10000 ft
1236105	ÖLFLEX® HEAT 125 SC 450/750V 1X2,5 WH	2.5 mm ²	white	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		161.3 lb/10000 ft
1236106	ÖLFLEX® HEAT 125 SC 450/750V 1X2,5 GY	2.5 mm ²	gray	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		161.3 lb/10000 ft
1236114	ÖLFLEX® HEAT 125 SC 450/750V 1X2,5 DBU	2.5 mm ²	dark blue	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		161.3 lb/10000 ft
1237000	ÖLFLEX® HEAT 125 SC 450/750V 1X4 GNYE	4 mm ²	green/yellow	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		258 lb/10000 ft
1237001	ÖLFLEX® HEAT 125 SC 450/750V 1X4 BK	4 mm ²	black	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		258 lb/10000 ft
1237002	ÖLFLEX® HEAT 125 SC 450/750V 1X4 BU	4 mm ²	blue	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		258 lb/10000 ft
1237003	ÖLFLEX® HEAT 125 SC 450/750V 1X4 BN	4 mm ²	brown	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		258 lb/10000 ft
1237009	ÖLFLEX® HEAT 125 SC 450/750V 1X4 OG	4 mm ²	orange	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		161.3 lb/10000 ft
1237104	ÖLFLEX® HEAT 125 SC 450/750V 1X4 RD	4 mm ²	red	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		258 lb/10000 ft
1237105	ÖLFLEX® HEAT 125 SC 450/750V 1X4 WH	4 mm ²	white	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		258 lb/10000 ft
1237106	ÖLFLEX® HEAT 125 SC 450/750V 1X4 GY	4 mm ²	gray	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		258 lb/10000 ft

Article No.	Name	Nominal cross section conductor (mm ²)	Single core color	Single core packaging type	Length per PU	Nominal voltage	Nominal conductor diameter	Copper index
1237114	ÖLFLEX® HEAT 125 SC 450/750V 1X4 DBU	4 mm ²	dark blue	Ring	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		258 lb/10000 ft
1238000	ÖLFLEX® HEAT 125 SC 450/750V 1X6 GNYE	6 mm ²	green/yellow	Depending on length	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		387 lb/10000 ft
1238001	ÖLFLEX® HEAT 125 SC 450/750V 1X6 BK	6 mm ²	black	Depending on length	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		387 lb/10000 ft
1238002	ÖLFLEX® HEAT 125 SC 450/750V 1X6 BU	6 mm ²	blue	Depending on length	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		387 lb/10000 ft
1238003	ÖLFLEX® HEAT 125 SC 450/750V 1X6 BN	6 mm ²	brown	Depending on length	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		387 lb/10000 ft
1238104	ÖLFLEX® HEAT 125 SC 450/750V 1X6 RD	6 mm ²	red	Depending on length	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		387 lb/10000 ft
1238106	ÖLFLEX® HEAT 125 SC 450/750V 1X6 GY	6 mm ²	gray	Depending on length	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		387 lb/10000 ft
1238114	ÖLFLEX® HEAT 125 SC 450/750V 1X6 DBU	6 mm ²	dark blue	Depending on length	328.084 ft	U ₀ /U: 450/750 V AC rms according to IEC		387 lb/10000 ft
1239000	ÖLFLEX® HEAT 125 SC 450/750V 1X10 GNYE	10 mm ²	green/yellow	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		645 lb/10000 ft
1239001	ÖLFLEX® HEAT 125 SC 450/750V 1X10 BK	10 mm ²	black	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		645 lb/10000 ft
1239002	ÖLFLEX® HEAT 125 SC 450/750V 1X10 BU	10 mm ²	blue	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		645 lb/10000 ft
1239003	ÖLFLEX® HEAT 125 SC 450/750V 1X10 BN	10 mm ²	brown	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		645 lb/10000 ft
1239104	ÖLFLEX® HEAT 125 SC 450/750V 1X10 RD	10 mm ²	red	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		645 lb/10000 ft
1240000	ÖLFLEX® HEAT 125 SC 450/750V 1X16 GNYE	16 mm ²	green/yellow	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		1032.03 lb /10000 ft

Article No.	Name	Nominal cross section conductor (mm ²)	Single core color	Single core packaging type	Length per PU	Nominal voltage	Nominal conductor diameter	Copper index
1240001	ÖLFLEX® HEAT 125 SC 450/750V 1X16 BK	16 mm ²	black	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		1032 lb/10000 ft
1240002	ÖLFLEX® HEAT 125 SC 450/750V 1X16 BU	16 mm ²	blue	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		1032 lb/10000 ft
1240003	ÖLFLEX® HEAT 125 SC 450/750V 1X16 BN	16 mm ²	brown	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		1032 lb/10000 ft
1240104	ÖLFLEX® HEAT 125 SC 450/750V 1X16 RD	16 mm ²	red	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		1032 lb/10000 ft
1240114	ÖLFLEX® HEAT 125 SC 450/750V 1X16 DBU	16 mm ²	dark blue	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		1032 lb/10000 ft
1241000	ÖLFLEX® HEAT 125 SC 450/750V 1X25 GNYE	25 mm ²	green/yellow	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		1612.6 lb /10000 ft
1241001	ÖLFLEX® HEAT 125 SC 450/750V 1X25 BK	25 mm ²	black	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		1612.6 lb /10000 ft
1242000	ÖLFLEX® HEAT 125 SC 450/750V 1X35 GNYE	35 mm ²	green/yellow	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		2257.6 lb /10000 ft
1242001	ÖLFLEX® HEAT 125 SC 450/750V 1X35 BK	35 mm ²	black	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		2257.6 lb /10000 ft
1243000	ÖLFLEX® HEAT 125 SC 450/750V 1X50 GNYE	50 mm ²	green/yellow	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		3225.1 lb /10000 ft
1243001	ÖLFLEX® HEAT 125 SC 450/750V 1X50 BK	50 mm ²	black	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		3225.1 lb /10000 ft
1244000	ÖLFLEX® HEAT 125 SC 450/750V 1X70 GNYE	70 mm ²	green/yellow	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		4515.2 lb /10000 ft
1244001	ÖLFLEX® HEAT 125 SC 450/750V 1X70 BK	70 mm ²	black	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		4515.2 lb /10000 ft
1245000	ÖLFLEX® HEAT 125 SC 450/750V 1X95 GNYE	95 mm ²	green/yellow	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		6128.39 lb /10000 ft

Article No.	Name	Nominal cross section conductor (mm ²)	Single core color	Single core packaging type	Length per PU	Nominal voltage	Nominal conductor diameter	Copper index
1245001	ÖLFLEX® HEAT 125 SC 450/750V 1X95 BK	95 mm ²	black	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		6127.7 lb /10000 ft
1246001	ÖLFLEX® HEAT 125 SC 450/750V 1X120 BK	120 mm ²	black	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		7740.3 lb /10000 ft
1247000	ÖLFLEX® HEAT 125 SC 450/750V 1X150 GNYE	150 mm ²	green/yellow	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		9675.4 lb /10000 ft
1247001	ÖLFLEX® HEAT 125 SC 450/750V 1X150 BK	150 mm ²	black	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		9675.4 lb /10000 ft
1248001	ÖLFLEX® HEAT 125 SC 450/750V 1X185 BK	185 mm ²	black	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		11932.9 lb /10000 ft
1249001	ÖLFLEX® HEAT 125 SC 450/750V 1X240 BK	240 mm ²	black	Depending on length		U ₀ /U: 450/750 V AC rms according to IEC		15480.6 lb /10000 ft

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