

LSOH wire with increased temperature range FABER[®] THERM 145 C



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

Application: This screened electron-beam-networked halogen-free control cable is used for the connection of lights, heating units and machines, but also for sensors in environments with increased temperatures. In addition to a long working life, the high permissible conductor temperature also guarantees increased current carrying capacity in comparison to conventional cables. The outer sheath is UV- and ozone-resistant, so that the cable can also be used outdoors. The screen also ensures high EMC-compatibility.

Construction and technical data:

Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	cross-linked polyolefin-copolymer
Screen:	tinned copper braid
Screen coverage:	85 %
Sheathing material:	cross-linked polyolefin-copolymer
Flame-retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C)
Smoke density:	DIN EN 61034/IEC 61034
Halogen-free:	DIN EN 50267/IEC 60754
UV-resistant:	yes
Ozone-resistant:	yes
Max. temperature at conductor, °C:	145 °C
Permitted outer cable temperature, fixed, °C:	-55 - +145 °C
Permitted outer cable temperature, moved, °C:	-35 - +125 °C
Bending radius, fixed installation:	4 x Ø
Bending radius, moving application:	12 x Ø



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Nominal voltage	to 1 mm ² : 300/500 V
	ab 1,5 mm ² : 450/750 V (600/1000 V bei fester und geschützter Verlegung)
Test voltage	
Core/core	3500 V
Core/screen	2500 V

Ship and offshore approvals (on request):	- Germanischer Lloyd (GL)
	- Lloyd's Register (LR)
	- BUREU VERITAS (BV)
	- DET Norske Veritas (DNV)

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Core identification:

colours acc. to HD 308;

more than 5 cores: numbers

part no.	part name	RI [Ohm/km]	I _{bl} [A]	Ø [mm]	Cu	G [kg]
040610	03X0.75 BK	26.7	16	6.9	50	78
040454	04X0.75 BK	26.7	16	7.6	58	94

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000