

LSOH wire with increased temperature range FABER[®] THERM 145 (multicore)



Application: This electron beam cross-linked, halogen-free, insulated wire is used for the connection of lights, heating units and machines in environments with increased temperatures. In addition to a long working life and a high permissible conductor temperature it also ensures an increased current carrying capacity in comparison to conventional cables. Ship approvals (GL, DNV, LRS, BV) can be provided on request.

Construction and technical data:

Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	cross-linked polyolefin-copolymer
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
Oil-resistant:	yes
Ozone-resistant:	yes
For outdoor use:	yes
Max. temperature at conductor, °C:	145 °C
Permitted outer cable temperature, fixed, °C:	-55 - +145 °C
Permitted outer cable temperature, moved, °C:	-35 - +120 °C
Bending radius, fixed installation:	4 x Ø
Bending radius, moving application:	8 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 from 1,5 mm ² : 450/750 V (600/1000 V for fixed and protected installation)
Test voltage	3500 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]	Ibl [A]	Ø [mm]	Cu	G [kg]
041115	04G0.75 BK	24.8	16	7	29	69
041116	05G0.75 BK	24.8	16	7.9	36	85
041117	03G1.5 BK	13.7	26	8.3	43.2	96
041119	05G1.5 BK	13.7	26	10.1	72	156
041120	03G2.5 BK	8.21	34	9.9	72	140
041121	05G2.5 BK	8.21	34	12.2	120	235

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