

Lugsulation® Flex

Lugsulation® Flex is the standard variant within the Lugsulation® product family, specifically developed for protruding contacts. It is a fully insulated contacting solution that protects both the cable lug after assembly and the electrical contact interface from accidental contact, moisture ingress and corrosion. This design is particularly well-suited for use in European traction battery systems, complying with both DIN and British Standard specifications.



Key Features

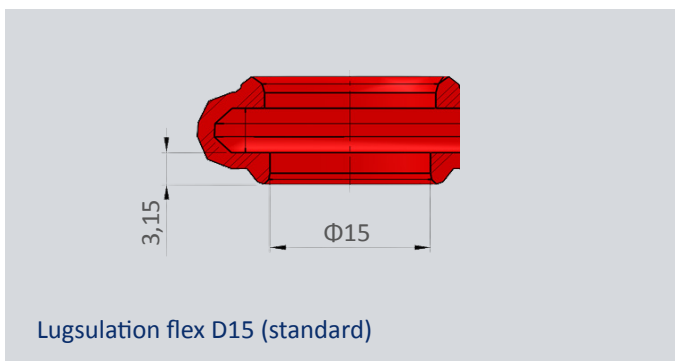
- Available for cable cross sections from 10 mm² to 240 mm²
- Compatible with insulation screws (hexagon head screws) and insulation nuts
- Suitable for HSYS cable lugs with M8 and M10 insulation screws, in standard lengths 18 mm, 22mm and 32 mm
- Insulation nuts available in M8 and M10, with thread depths of 15 mm and 20 mm, and nut heights of 20.5 mm, 24.5 mm, and 31.5 mm; other sizes available on request
- Supplied as complete sets (HSYS cable lug + insulation sleeve + insulation screw) or as EP sets without insulation screw (HSYS cable lug + insulation sleeve)
- Available in black and red for polarity marking (other colors available on request)
- Optional variants: D15 (standard) and D18
- Sealing of both internal (female) and external (male) threads
- Flame-retardant insulation available according to UL 94 V-0



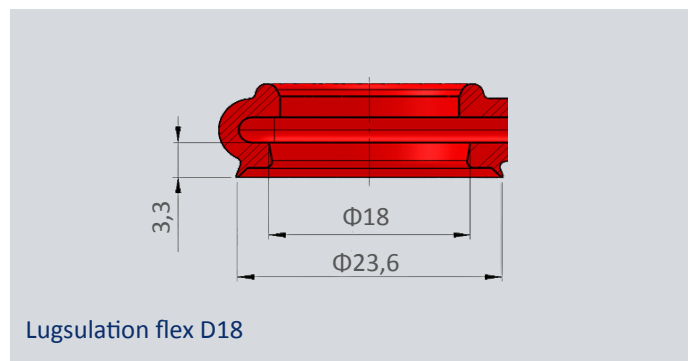
With insulation nut for sealing of external (male) threads.



With insulation screw for sealing of internal (female) threads.



Lugsulation flex D15 (standard)

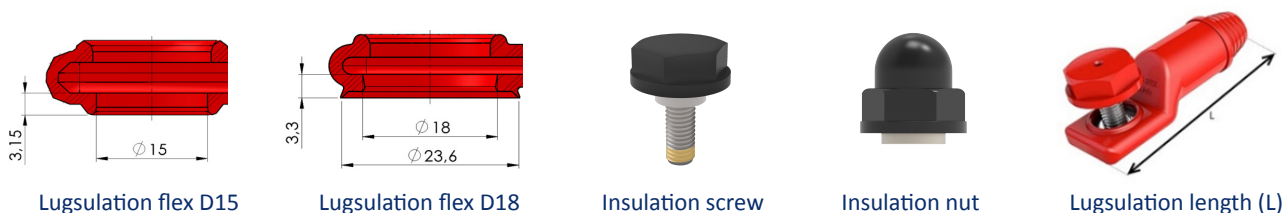


Lugsulation flex D18

Our company is certified according to DIN EN ISO 9001.

For more information please visit our homepage or contact us directly.

Lugsulation® Flex Overview Table



Cross Section	Color	Thread Size	Screw Size* (mm)	Variant	L (mm)	Lugsulation Set – Article No.**
10mm ²	red	M8	18 / 22	D15	58,5	2220010082(EP) / 2221010082(EP)
10mm ²	red	M10	18 / 22	D15	58,5	2220010102(EP) / 2221010102(EP)
10mm ²	black	M8	18 / 22	D15	58,5	2220010081(EP) / 2221010081(EP)
10mm ²	black	M10	18 / 22	D15	58,5	2220010101(EP) / 2221010101(EP)
16mm ²	red	M8	18 / 22	D15	60,5	2220016082(EP) / 2221016082(EP)
16mm ²	red	M10	18 / 22	D15	60,5	2220016102(EP) / 2221016102(EP)
16mm ²	black	M8	18 / 22	D15	60,5	2220016081(EP) / 2221016081(EP)
16mm ²	black	M10	18 / 22	D15	60,5	2220016101(EP) / 2221016101(EP)
25mm ²	red	M8	18 / 22	D15	65,5	2220025082(EP) / 2221025082(EP)
25mm ²	red	M10	18 / 22	D15	65,5	2220025102(EP) / 2221025102(EP)
25mm ²	black	M8	18 / 22	D15	65,5	2220025081(EP) / 2221025081(EP)
25mm ²	black	M10	18 / 22	D15	65,5	2220025101(EP) / 2221025101(EP)
35mm ²	red	M8	18 / 22	D15	67,5	2220035082(EP) / 2221035082(EP)
35mm ²	red	M10	18 / 22	D15	67,5	2220035102(EP) / 2221035102(EP)
35mm ²	black	M8	18 / 22	D15	67,5	2220035081(EP) / 2221035081(EP)
35mm ²	black	M10	18 / 22	D15	67,5	2220035101(EP) / 2221035101(EP)
50mm ²	red	M8	18 / 22	D15	75	2220050082(EP) / 2221050082(EP)
50mm ²	red	M10	18 / 22	D15	75	2220050102(EP) / 2221050102(EP)
50mm ²	black	M8	18 / 22	D15	75	2220050081(EP) / 2221050081(EP)
50mm ²	black	M10	18 / 22	D15	75	2220050101(EP) / 2221050101(EP)
70mm ²	red	M8	18 / 22	D15	73,3	2220070082(EP) / 2221070082(EP)
70mm ²	red	M10	18 / 22	D15	73,3	2220070102(EP) / 2221070102(EP)
70mm ²	black	M8	18 / 22	D15	73,3	2220070081(EP) / 2221070081(EP)
70mm ²	black	M10	18 / 22	D15	73,3	2220070101(EP) / 2221070101(EP)
95mm ²	red	M8	18 / 22	D15	81	2220095082(EP) / 2221095082(EP)
95mm ²	red	M10	18 / 22	D15	81	2220095102(EP) / 2221095102(EP)
95mm ²	black	M8	18 / 22	D15	81	2220095081(EP) / 2221095081(EP)
95mm ²	black	M10	18 / 22	D15	81	2220095101(EP) / 2221095101(EP)
120mm ²	red	M10	18 / 22	D15	83	2220120102(EP) / 2221120102(EP)
120mm ²	black	M10	18 / 22	D15	83	2220120101(EP) / 2221120101(EP)
240mm ²	red	M10	22	D15	113	2221240102(EP)
240mm ²	black	M10	22	D15	113	2221240101(EP)
35mm ²	red	M8	18 / 22	D18	66,5	2220035D18082(EP) / 2221035D18082(EP)
35mm ²	red	M10	18 / 22	D18	66,5	2220035D18102(EP) / 2221035D18102(EP)
35mm ²	black	M8	18 / 22	D18	66,5	2220035D18081(EP) / 2221035D18081(EP)
35mm ²	black	M10	18 / 22	D18	66,5	2220035D18101(EP) / 2221035D18101(EP)

*Insulation screw sizes M8x32 and M10x32 are also available upon request.

**Article numbers ending in "EP" do not include the insulation screw (EP: HSYS cable lug + insulation sleeve); for sets with insulation screw, use the same article number without "EP".

Lugsulation Flex with insulation nut: use corresponding "EP" article number (cable lug + insulation sleeve); insulation nut (M8 or M10) to be ordered separately.

Customized solutions and other sizes available upon request to meet your exact specifications.

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