

SYSTEMATIC QUALITY

Welding articles



Catalogue



GIFAS
ELECTRIC

12A

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Radaflex
Jumper cables

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Welding cable Radaflex/Jumper cables

Welding cable Radaflex



Technical Data

Operating voltage U_0/U :	300/500V
Test voltage:	3'000V
Temperature range:	-30°C to +90°C
Minimum bend radius:	5×Cable diameter
Sheath colour:	orange

Double-insulated, highly flexible welding cable in accordance with the following international standards: IEC 245-6, 73/23/EEC, IEC 60228, HD 21.3 S3

Welding cable Radaflex, available by the meter

	Item no.	Size mm ²	Strand structure Number×mm	Exterior-Ø approx. mm	Weight kg/100 m
✓	011662	16	490×0.21	10.5	21.5
✓	010941	25	756×0.21	12.0	31.0
✓	010942	35	1'050×0.21	13.0	40.5
✓	010943	50	1'482×0.21	15.0	55.0
✓	010944	70	2'090×0.21	17.5	76.0

Technical Data: Current-carrying capacity – duty cycle*

Size mm ²	100%	85%	60%	30%
16	135 A	145 A	175 A	245 A
25	180 A	195 A	230 A	330 A
35	225 A	245 A	290 A	410 A
50	285 A	310 A	370 A	520 A
70	355 A	385 A	460 A	650 A

* Experience values, valid only for Radaflex design

Welding sets/jumper cables



Special features

The outer sheath is made of a special oil- and weather-resistant NBR elastomer that is flame-retardant and self-extinguishing. The cable is characterised by a high degree of flexibility. Further product advantages include high mechanical (abrasion) resistance, resistance to solvents, acids and alkalis, and a silicone-free sheath insulation.

Set with plug and female connector

Extensions, consisting of Radaflex welding cable with plug and socket unit on both sides

10m Item no.	15m Item no.	20m Item no.	Size mm ²
011003	011004	011005	25
011006	011007	011008	35
011009	011010	011011	50
011012	011013	011014	70

Sets with plugs and ground clamp

Various sets that have their origins in working in the real world complete our Radaflex range.

Ground connection set, consisting of Radaflex welding cable, ready-made with plug and large ground clamp for 600A

3m Item no.	5m Item no.	10m Item no.	Size mm ²
011015	011016	011017	25
011018	011019	011020	35
011021	011022	011024	50
011025	011026	011027	70

Jumper cables for trucks or cars

Item no.	Description
091832	Jumper cables 10m, 1×50mm ² , orange, with 2 clamps red
091858	Jumper cables 10m, 1×50mm ² , orange, with 2 clamps black

✓ from stock, offer subject to prior sale

Other combinations/sets available upon request

Electrode holder

Electrode holder

Extremely practical and high-quality electrode holder, made with impact-resistant insulation with internal clamp terminals, including a soft tin-coated copper sleeve.

Two models

- with fixed jaw (7 holding positions)
- with swivel head



Electrode holder with jaw

max. 400A/7 holder positions

Current load in A / for ED

	Item no.	35%	60%	for electrode diameter	for Welding cable	Weight
✓	010980	400 A	300 A	2.0-5.5 mm	35-50 mm ²	430 g



Electrode holder with jaw

max. 600A/7 holder positions

Current load in A / for ED

	Item no.	35%	60%	for electrode diameter	for Welding cable	Weight
✓	010981	450 A	300 A	2.0-6.0 mm	50-70 mm ²	510 g



Electrode holder with swivel head

max. 400 A / 105° working angle

Current load in A / for ED

	Item no.	35%	60%	for electrode diameter	for Welding cable	Weight
✓	010982	400 A	200 A	1.0-6.0 mm	35-50 mm ²	540 g



Electrode holder with swivel head

max. 600 A / 105° working angle

Current load in A / for ED

	Item no.	35%	60%	for electrode diameter	for Welding cable	Weight
✓	010983	600 A	400 A	2.0-8.0 mm	70-95 mm ²	760 g

✓ from stock, offer subject to prior sale

Other versions available upon request

Ground clamps / Combined welding clamps

Ground clamps / Combined welding clamps

Ground clamps / Combined welding clamps

Standard accessories include ground clamps and ground terminals. Make the appropriate selection according to the application.



170A ground clamp

made of electrolytically galvanised steel

	Item no.	Power max.	Opening max.	Cable	Weight
✓	016166	170 A	45 mm	16 - 25 mm ²	220 g

Anschluss mit Kabelschuh, Kontaktbacken mit Radius

✓	014315	170 A	45 mm	16 - 25 mm ²	220 g
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Anschluss mit Kabelschuh, Kontaktbacken mit Zacken



400A ground clamp

made of electrolytically galvanised steel

	Item no.	Power max.	Opening max.	Cable	Weight
✓	046760	400 A	60 mm	50 - 70 mm ²	610 g

Anschluss mit Kabelschuh



600A ground clamp

made of electrolytically galvanised steel

	Item no.	Power max.	Opening max.	Cable	Weight
✓	010986	600 A	70 mm	25 - 70 mm ²	320 g

Anschluss mit Kabelschuh



600A ground clamp

cast from solid brass

	Item no.	Power max.	Opening max.	Cable	Weight
✓	045431	600 A	45 mm	70 - 95 mm ²	990 g

Anschluss innenliegend



Combined welding clamps

for CO₂ welding equipment

	Item no.	Description
✓	014239	für Düse Ø 12 - 15 mm
✓	014241	für Düse Ø 15 - 18 mm

✓ from stock, offer subject to prior sale

Plugs



Plug

Built-in welding plugs high voltage

Built-in welding plugs



Built-in welding plugs

High voltage welding plugs

Built-in plugs coupling with cover

Version

The loose plug parts are made of solid rubber, the installation parts of a special plastic. The rotary cone contacts are made of solid brass, including a soft tin-plated copper sleeve with a clamping screw. The design (according to standards CEI 26.10 and 26.11) guarantees compatibility with other manufacturers and ensures a secure and fast connection.

Properties

- oil- and acid-resistant
- resistant against ageing
- self-extinguishing
- high insulation resistance
- practical and reliable

Plug

	Item no.	max. Power	Pin-Ø	for cable diameter
✓	010949	200A	9.0mm	16-25mm ²
✓	010951	400A	13.0mm	35-50mm ²
✓	010952	600A	13.0mm	50-70mm ²
✓	010953*	600A	13.0mm	70-95mm ²

Built-in welding plugs (made of special plastic)

	Item no.	max. Power	Pin-Ø	for cable diameter	Connection screw
✓	010957	200A	9.0mm	16-25mm ²	M8×12
✓	010958	400A	13.0mm	35-70mm ²	M10×16
✓	010959	600A	13.0mm	50-95mm ²	M12×20

Built-in welding plugs high voltage (with protective collar)

	Item no.	max. Power	Pin-Ø	for cable diameter
✓	010954*	1'000A	15.0mm	95-120mm ²

High voltage welding plugs (with protective collar, made of special plastic)

	Item no.	max. Power	Pin-Ø	for cable diameter	Connection screw ¹⁾
	010960	1'000A	15.0mm	95-120mm ²	M16×35

* Double screw terminal

Built-in plugs coupling with cover

	Item no.	max. Power	Pin-Ø	for cable diameter	Connection screw ¹⁾
✓	011029	200A	9.0mm	16-25mm ²	M8×12
✓	010961	400A	13.0mm	30-70mm ²	M10×16
✓	010962	600A	13.0mm	50-95mm ²	M12×20

High voltage welding plug with cover

	Item no.	max. Power	Pin-Ø	for cable diameter	Connection screw ¹⁾
✓	026821	1'000A	15.0mm	95-120mm ²	M16×35

¹⁾ Connection with crimp ring terminal
Cover with screw to protect against unintentional contact

✓ from stock, offer subject to prior sale
Other versions available upon request

Welding coupling / Built-in welding coupling

Welding coupling



Built-in welding coupling



Version

The loose plug parts are made of solid rubber, the installation parts of a special plastic. The rotary cone contacts are made of solid brass, including a soft tin-plated copper sleeve with a clamping screw. The design (according to standards CEI 26.10 and 26.11) guarantees compatibility with other manufacturers and ensures a secure and fast connection.

Properties

- oil- and acid-resistant
- resistant against ageing
- self-extinguishing
- high insulation resistance
- practical and reliable

Welding coupling

	Item no.	max. Power	Pin-Ø	for cable diameter
✓	010965	200 A	9.0 mm	16 - 25 mm ²
✓	010966	400 A	13.0 mm	35 - 50 mm ²
✓	010967	600 A	13.0 mm	50 - 70 mm ²
✓	010968*	600 A	13.0 mm	70 - 95 mm ²

High voltage welding coupling (with protective collar)

	Item no.	max. Power	Pin-Ø	for cable diameter
✓	010969*	1'000 A	15.0 mm	95 - 120 mm ²

* Double screw terminal

Built-in welding coupling (made of special plastic)

	Item no.	max. Power	Pin-Ø	for cable diameter	Connection screw
✓	010970	200 A	9.0 mm	16 - 25 mm ²	M8×12
✓	010971	400 A	13.0 mm	35 - 70 mm ²	M10×16
✓	010972	600 A	13.0 mm	50 - 95 mm ²	M12×20

Built-in welding coupling high voltage (with protective collar, made of special plastic)

	Item no.	max. Power	Pin-Ø	for cable diameter	Connection screw ¹⁾
	010973	1'000 A	15.0 mm	95 - 120 mm ²	M16×35

Built-in welding coupling with cover

	Item no.	max. Power	Pin-Ø	for cable diameter	Connection screw ¹⁾
✓	011030	200 A	9.0 mm	16 - 25 mm ²	M8×12
✓	010976	400 A	13.0 mm	30 - 70 mm ²	M10×16
✓	010977	600 A	13.0 mm	50 - 95 mm ²	M12×20

High voltage welding coupling with cover

	Item no.	max. Power	Pin-Ø	for cable diameter	Connection screw ¹⁾
	026822	1'000 A	15.0 mm	95 - 120 mm ²	M16×35

¹⁾ Connection with crimp ring terminal

Cover with screw to protect against unintentional contact

✓ from stock, offer subject to prior sale

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News about the assortment and specific solutions can be found on our website:

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We reserve the right to make technical modifications. V 1017



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