

SYSTEMATIC QUALITY

Welding articles



Catalogue



GIFAS
ELECTRIC

12A

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Built-in welding
coupling



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Welding cable Douflex / Jumper cables

Welding cable Douflex



Technical Data

Operating voltage U_0/U :	450/750V
Temperature range:	+5°C to +70°C for use in fire hazardous areas: +5°C to +50°C
Sheath colour:	orange

Double-insulated, highly flexible welding cable in accordance with the following international standards: 2006/95 EG

Welding cable Douflex, available by the meter

Item no.	Size mm ²	Exterior-Ø approx. mm	Current-carrying capacity – duty cycle	
			35%	60%
✓ 241546	16	11.0	230A	175A
✓ 241547	25	13.0	300A	230A
✓ 241548	35	15.0	375A	290A
✓ 241549	50	16.5	480A	365A
✓ 241551	70	18.0	600A	460A
✓ 241552	95	22.5	730A	560A

Set with plug and female connector

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

10m Item no.	15m Item no.	20m Item no.	Size mm ²
241675	241679	241683	25
241676	241680	241684	35
241677	241681	241685	50
241678	241682	241686	70

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. Polyvinyl chloride (PVC) hardly absorbs any water and is resistant to acids, alkalis, alcohol, oil and petrol.

Sets with plugs and ground clamp

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

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

3m Item no.	5m Item no.	10m Item no.	Size mm ²
241713	241717	241721	25
241714	241718	241722	35
241715	241719	241723	50
241716	241720	241724	70

Jumper cables for trucks or cars

Item no.	Designation
241674	Booster cable Douflex 50mm ² orange, length 10m, 2×tongs red
241673	Booster cable Douflex 50mm ² orange, length 10m, 2×tongs 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	400A	300A	2.0-5.5mm	35-50mm ²	430g



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	400A	200A	1.0-6.0mm	35-50mm ²	540g



Electrode holder with swivel head
max. 600A/105° working angle

Current load in A/for ED

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

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	16-25mm ²	220 g

Anschluss mit Kabelschuh, Kontaktbacken mit Radius

✓ 014315	170 A	45 mm	16-25mm 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	50-70mm 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	25-70mm 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	70-95mm ²	990 g

Anschluss innenlegend



Combined welding clamps

for CO₂ welding equipment

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

✓ 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

* Double screw terminal

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

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

Welding coupling / Built-in welding coupling

Welding coupling



Welding coupling

High voltage welding coupling

Built-in welding coupling



Built-in welding coupling

Built-in welding coupling high voltage

Built-in welding 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

Welding coupling

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

High voltage welding coupling (with protective collar)

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

* Double screw terminal

Built-in welding coupling (made of special plastic)

	Item no.	max. Power	Pin-Ø	for cable diameter	Connection screw
✓	010970	200A	9.0mm	16-25mm ²	M8×12
✓	010971	400A	13.0mm	35-70mm ²	M10×16
✓	010972	600A	13.0mm	50-95mm 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	1'000A	15.0mm	95-120mm ²	M16×35

Built-in welding coupling with cover

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

High voltage welding coupling with cover

	Item no.	max. Power	Pin-Ø	for cable diameter	Connection screw ¹⁾
	026822	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

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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 01/24



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