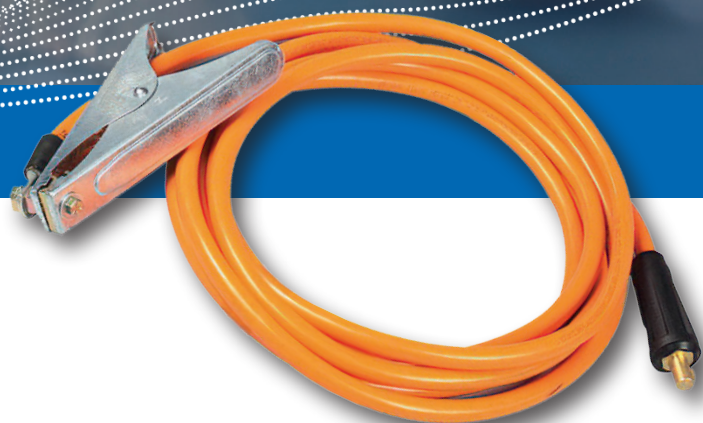




12A
MAIN CATALOGUE



Welding articles

ELECTRIC SOLUTIONS

V0625

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Introduction

Welding equipment is used in many sectors, including the metalworking and construction industries. High-quality equipment and the appropriate accessories are indispensable for this delicate work, as they ensure maximum protection for the welder and enable optimal results.

Discover our small but fine range of welding accessories in this catalogue.

Welding cable Douflex



Technical Data

Operating voltage U_0/U : 450/750 V
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

Available by the meter

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



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

- ✓ = from stock, offer subject to prior sale
- other versions available on request

Welding sets



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 600 A.

Assortment

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

Jumper cables



Assortment

241674	Booster cable Douflex 50 mm ² orange, length 10 m, 2×tongs red
241673	Booster cable Douflex 50 mm ² orange, length 10 m, 2×tongs black

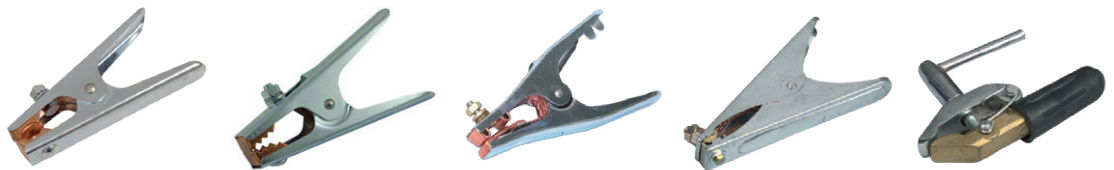
Electrode holder

Made out of impact-resistant insulation with internal clamp terminals, including a soft tin-coated copper sleeve.



Item no.	010980 ✓	010982 ✓	010983 ✓
Designation	with jaw	with swivel head	with swivel head
35%	400 A	400 A	600 A
60%	300 A	200 A	400 A
for electrode diameter	2.0-5.5 mm	1.0-6.0 mm	2.0-8.0 mm
for welding cable	35-50 mm ²	35-50 mm ²	70-95 mm ²
Weight	430 g	540 g	760 g
Working angle	7 holder positions	105°	105°
Current load	in A/for ED	in A/for ED	in A/for ED

Ground clamps



Item no.	016166 ✓	014315 ✓	046760 ✓	010986 ✓	045431 ✓
Material	made of electrolytically galvanised steel	made of electrolytically galvanised steel	made of electrolytically galvanised steel	made of electrolytically galvanised steel	cast from solid brass
Power max.	170 A	170 A	400 A	600 A	600 A
Opening max.	45 mm	45 mm	60 mm	70 mm	45 mm
Cable	16-25 mm ²	16-25 mm ²	50-70 mm ²	25-70 mm ²	70-95 mm ²
Weight	220 g	220 g	610 g	320 g	990 g
Connection	cable socket	cable socket	cable socket	cable socket	interior
Contact jaws	with a radius	with serrations			

Combined welding clamps

For CO₂ welding equipment



Assortment

014239 ✓ for nozzle Ø 12-15 mm

014241 ✓ for nozzle Ø 15-18 mm

Plugs

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 safe and fast connection.



Plug



Built-in welding plug high voltage with protective collar

Plugs

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

Built-in welding plugs high voltage

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

* Double screw terminal

Built-in welding plugs



Built-in welding plug



Built-in plugs coupling with cover



High voltage welding plug with protective collar



High voltage welding plug with cover

Built-in welding plug

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

Built-in plug coupling with cover

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

High voltage welding plug

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

High voltage welding plug with cover

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

¹⁾ Connection with crimp ring terminal

Welding coupling



Welding coupling



High voltage welding coupling
with protective collar

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 couplings



Built-in welding coupling



Built-in welding coupling
with cover



Built-in welding coupling high
voltage with protective collar



High voltage welding coupling with cover

Built-in welding coupling

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 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

Built-in welding coupling high voltage

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

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



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