

2020

Residential and Service

Michaud quality in housing

Catalogue
Residential and Service

MICHAUD

The French Group **Michaud**, has been designing, qualifying, producing and selling electrical equipment and connection systems for over 60 years.

250
staff members



10

establishments
Europe,
North Africa,
Asia



Certified since



8 to 10%
of turnover
invested in R&D

1

Accredited
Test Laboratory



AAA3

Engineering departments

* Accréditation n° 1-0579 portée disponible sur www.cofrac.fr



From R&D to after-sales service, **Michaud Export**, as a Michaud subsidiary, has full mastery of its value chain, ensuring high-level quality and service worldwide.

MIRELEC

Mirelec is a Michaud brand, dedicated to low voltage electrical distribution equipment. The brand offers european quality products and solutions at a price matching emerging markets expectations.



Housing

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Toolings and installation

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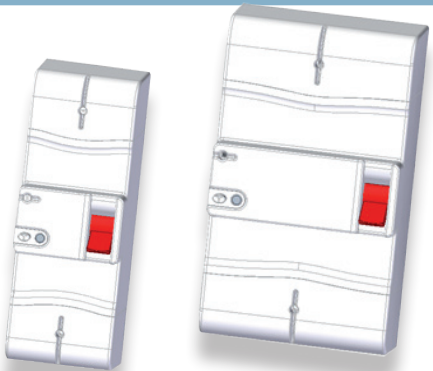
LV network

p. 26

Housing

Modular cabinets

Code	Designation	Sales Unit
F706-5-15	SINGLE PHASE DIFFERENTIAL CIRCUIT BREAKER 5/15A	1
F706-10-30	SINGLE PHASE DIFFERENTIAL CIRCUIT BREAKER 10/30A	1
F707	SINGLE PHASE DIFFERENTIAL CIRCUIT BREAKER 30/60A	1
F708	THREE PHASES DIFFERENTIAL CIRCUIT BREAKER 10/30A	1
F709	THREE PHASES DIFFERENTIAL CIRCUIT BREAKER 30/60A	1



Three phases version

Single phase version

Modular cabinets

Modular cabinets on-Wall and integrated

Code	Designation	Sales Unit
U630	DISTRIBUTION BOX WALL MOUNTED - 1 MODULE	140
U631	DISTRIBUTION BOX WALL MOUNTED - 2 MODULES	100
U632	DISTRIBUTION BOX WALL MOUNTED - 4 MODULES	56
U633	DISTRIBUTION BOX WALL MOUNTED - 8 MODULES	28
U635	DISTRIBUTION BOX WALL RECESSED - 8 MODULES (1 ROW)	20
U636	DISTRIBUTION BOX WALL RECESSED - 12 MODULES (1 ROW)	12
U637	DISTRIBUTION BOX WALL RECESSED - 24 MODULES (2 ROWS)	10
U638	DISTRIBUTION BOX WALL RECESSED - 36 MODULES (3 ROWS)	10



U637

U630

Additional distributor

Code	Designation	Sales Unit
K540	FLOOR SUPPLY BOX	20
K541	FUSE HOLDER 14X51	20
K542	FLOOR SUPPLY BOX FUSE HOLDER 22X58	20
K545	TRIPLE NEUTRAL WITH CONNECTOR ARM	20

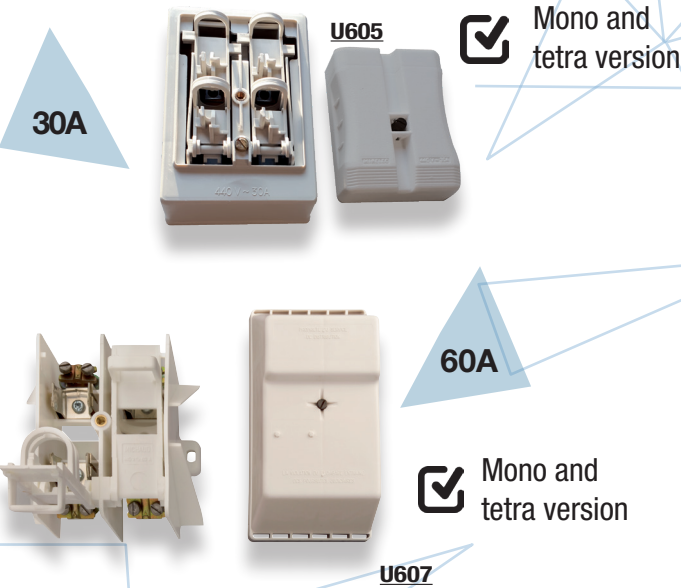


K540

K545

K541

Cutout cabinets



30A

60A

U607

U605

Code	Designation	Sales Unit
U605	CUTOUT BOX 14x51 MONO SERVICE 30A	1
U606	CUTOUT BOX 14x51 TETRA SERVICE 30A	1
U607	CUTOUT BOX MONO SERVICE 60A	30
U608	CUTOUT BOX TETRA SERVICE 60A	18

✓ Mono and tetra version

✓ Mono and tetra version

Fuse cartridge

Code	Designation	Sales Unit
U615	FUSE CARTRIDGE 14x51 AD 15A	10
U616	FUSE CARTRIDGE 14x51 AD 30A	10
U617	FUSE CARTRIDGE 14x51 AD 45A	10
U621	NEUTRAL TUBE 14x51	10
U610	FUSE CARTRIDGE 22x58 AD 15A	10
U611	FUSE CARTRIDGE 22x58 AD 30A	10
U612	FUSE CARTRIDGE 22x58 AD 45A	10
U613	FUSE CARTRIDGE 22x58 AD 60A	10
U614	FUSE CARTRIDGE 22x58 AD 90A	10
U622	NEUTRAL TUBE 22x58	10
U259	FUSE NH2 250A	3
U260	FUSE NH2 400A	3
U261	FUSE NH2 315A	5
P238	SIZE 2 NEUTRAL BLADE 115mm	1



14x51



22x58



NH2

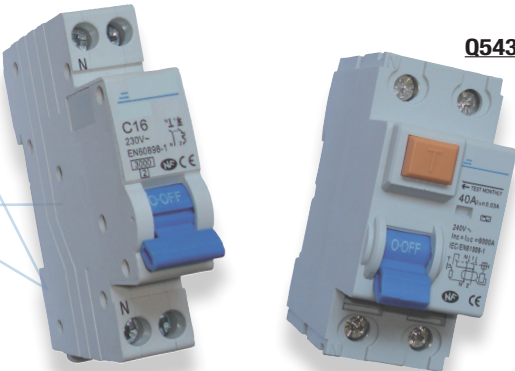
Switches / Circuit-breakers

MOD : MICHAUD HOME DEVICE

Certified NF

Q532

Q543



Code	Designation	Sales Unit
Q53X	CIRCUIT BREAKER P+N (From 2 to 32A)	10
Q540	DIFFERENTIAL SWITCH BIPOLAR 30mA TYPE AC 25A	1
Q541	DIFFERENTIAL SWITCH BIPOLAR 30mA TYPE AC 40A	1
Q542	DIFFERENTIAL SWITCH BIPOLAR 30mA TYPE AC 63A	1
Q543	DIFFERENTIAL SWITCH BIPOLAR 30mA TYPE A 40A	1
Q544	DIFFERENTIAL SWITCH BIPOLAR 30mA TYPE A 63A	1

Synthetic cable tie



Code	Designation	Diameter grip capacity		Sales Unit
		MAX	MIN	
F002	CABLE TIE 9x180mm (bag of 100)	44	10	1
F003	CABLE TIE 9x265mm (bag of 100)	62	26	1
F004	CABLE TIE 9x360mm (bag of 100)	92	26	1
F005	CABLE TIE 9x500mm (bag of 100)	140	74	1
F006	CABLE TIE 9x750mm (bag of 100)	220	74	1
F012	TIE FOR IRO (bag of 100)			1
F013	IMPLEMENTATION TOOL FOR TIE			1
F032	BAC TIE - CPBF (bag of 100)			1
F040	WALL TYPE STRAP SUPPORT WITH BRACKET TO STRIKE (100 pieces)			1
F041	WALL TYPE STRAP SUPPORT ATTACHED BY SCREW (100 pieces)			1

Available in stainless steel



Available in other dimensions

Tubular lugs



Code	Designation	Sales Unit
U745	TUBULAR LUG 16²	100
U746	TUBULAR LUG 25²	100
U747	TUBULAR LUG 35²	100
U748	TUBULAR LUG 50²	100
U749	TUBULAR LUG 70²	100
U750	TUBULAR LUG 95²	100
U751	TUBULAR LUG 120²	100

Tinned Copper

Available in other dimensions

Different bores are available

Heat-shrinkable material



Heat-shrinkable end cap

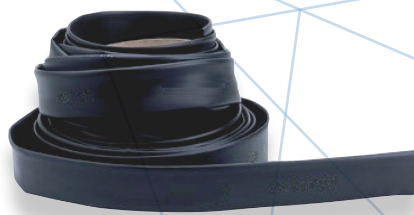
Code	Designation	Section (mm²)	Opened diameter (mm²)	Sales Unit
F110	HEAT SHRINKABLE END CAP CRB 10-25	10 to 25	4 to 8	50
F111	HEAT SHRINKABLE END CAP CRR 16-70	16 to 70	8 to 17	50
F112	HEAT SHRINKABLE END CAP CRR 150	150	15 to 30	10

Heat-shrinkable end

Code	Designation	Section (mm²)	Number of conductors	Sales Unit
F100	HEAT SHRINKABLE END E2R 10-35	10 to 35	2	20
F101	HEAT SHRINKABLE END E4R 10-35	10 to 35	4	20
F102	HEAT SHRINKABLE END E4R 50-150	50 to 150	4	20
F103	HEAT SHRINKABLE END E4R 240	240	4	5

Heat-shrinkable sheath

Code	Designation	Section (mm²)	Covered diameter (mm²)	Sales Unit
F120	HEAT SHRINKABLE SHEATH GR 10-35 (10m)	10 to 35	3 to 10	1
F121	HEAT SHRINKABLE SHEATH GR 50-150 (10m)	50 to 150	8 to 25	8
F122	HEAT SHRINKABLE SHEATH GR 240 (10)	240	12 to 35	1



Accessories and consumables

Warning grille

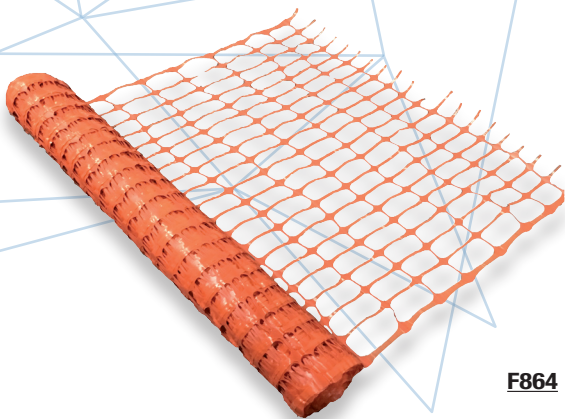
Several colors are available

- Telecommunication
- Water
- LV and HV network
- Gas



Code	Designation	Sales Unit
F860	WARNING GRILLE 0.1m (300m ROLL)	1
F861	WARNING GRILLE 0.2m (100m ROLL)	1
F862	WARNING GRILLE 0.3m (100m ROLL)	1

Safety barrier



F864
SAFETY BARRIER
Length (m) : 50
Height (m) : 1
Color : Orange
Weight (g/m²) : 90
Sales unit : 1

Consult us

Warning tape

F865
WARNING TAPE RED/WHITE
Length (m) : 100
Height (m) : 70
Thickness (mm) : 0.050
Sales unit : 1

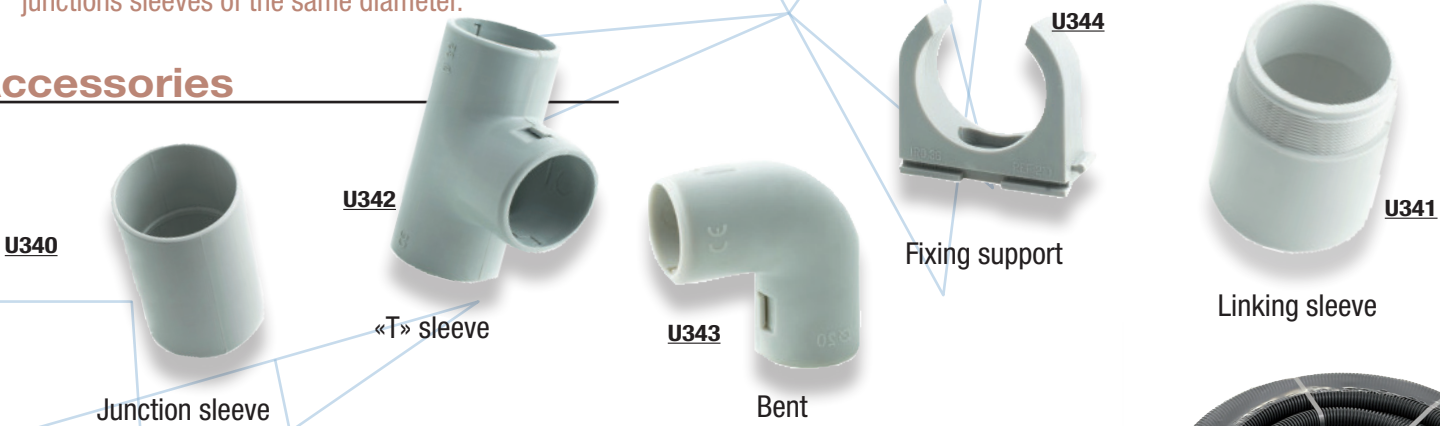


Gaine IRO

U339
IRO TUBE
External diameter (mm) : from 16 to 63
Bars length (m) : 3
Sales unit : Consult us

U339 tubes are delivered with the junction sleeves of the same diameter.

Accessories



Corrugated tube

Code	Designation	Tolerance	Minimal internal diameter (mm)	Bending radius (mm)	Sales Unit
F140	RINGED TUBE DIAMETER 16 (100m)	0 / -0.3	10.7	48	1
F141	RINGED TUBE DIAMETER 20 (100m)	0 / -0.3	14.1	60	1
F142	RINGED TUBE DIAMETER 25 (50m)	0 / -0.4	18.3	75	1
F143	RINGED TUBE DIAMETER 32 (50m)	0 / -0.4	24.3	96	1
F144	RINGED TUBE DIAMETER 40 (50m)	0 / -0.4	31.2	160	1

Available in larger diameters (until 200mm)

TPC sheath

U345
TPC SHEATH DRUM
Available diameter (mm) : from 40 to 200
Length (m) : 25 to 50 according to diameter
Sales Unit : 10 drums

Accessories



U345



MICHAUD

Copper bonded steel rod

Copper coating 50µm

Code	Designation	Nominal diameter (mm)	Real diameter (mm)	Length (m)	Sales Unit
F226	EARTH ROD COPPER 50µm L=1m DIAM 14	16	14	1	10
F244	EARTH ROD COPPER 50µm L=1.5m DIAM 14	16	14	1.5	10
F245	EARTH ROD COPPER 50µm L=2m DIAM 14	16	14	2	10

Copper coating 254µm

Code	Designation	Nominal diameter (mm)	Real diameter (mm)	Length (m)	Sales Unit
U206	EARTH ROD COPPER 254µm L = 1m DIAM 14	16	14	1	10
F249	EARTH ROD COPPER 254µm L=1.5m DIAM 14	16	14	1.5	10
F227	EARTH ROD COPPER 254µm L=2m DIAM14	16	14	2	10

Accessories



Code	Designation	Nominal rod diameter (mm)	Sales Unit
F229	DRIVING SPIKE FOR ROD DIAM 12.7 + 14 UNTHREADED	14 - 16	10
F238	DRIVING HEAD FOR ROD DIAM 12.7 + 14 UNTHREADED	14 - 16	10
F234	CONNECTION CLAMP FOR ROD	12.7 + 14	10

Galvanised steel rods



Code	Designation	Diameter (mm)	Profile	Length (m)	Sales Unit
U195	EARTH ROD GALVA L=1m DIAM 16	16	Full	1	10
U196	EARTH ROD GALVA L=1.5m DIAM 16	16	Full	1.5	10
U197	EARTH ROD GALVA L=2m DIAM 16	16	Full	2	10
U198	EARTH ROD GALVA L=1.5m DIAM 50x50x3	50x50x3	Cross-shaped	1.5	10
U199	EARTH ROD GALVA L=1m DIAM 25	25	Tubular	1	10
U200	EARTH ROD GALVA L=1.5m DIAM 25	25	Tubular	1.5	10
U201	EARTH ROD GALVA L=2m DIAM 25	25	Tubular	2	10

Available in stainless steel

Available with threaded ends

Other dimensions are available

Consult us

Connection clamp

Copper coated earth rod

Copper coated steel strap

Bare copper cable



Cables and straps

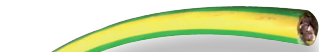


Bare copper cable

Code	Designation	Section (mm²)	Number of strands	Strand diameter (mm)
U051	BARE COPPER CABLE 16mm² (DRUM 500m)	16	7	1.69
U052	BARE COPPER CABLE 25mm² (DRUM 500m)	25	7	2.12
U053	BARE COPPER CABLE 29mm² (DRUM 500m)	29	19	1.40
U054	BARE COPPER CABLE 35mm² (DRUM 500m)	35	7	2.50
U055	BARE COPPER CABLE 50mm² (DRUM 500m)	50	19	1.78
U057	BARE COPPER CABLE 95mm² (DRUM 500m)	95	19	2.50

Other dimensions are available

Insulated copper cable

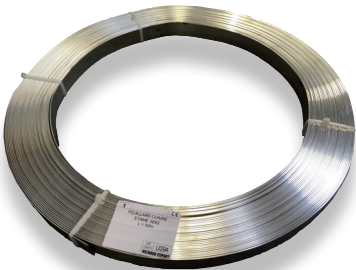


Code	Designation	Section (mm²)	Number of strands	Strand diameter (mm)
U065	INSULATED COPPER CABLE 16mm² (DRUM 500m)	16	7	1.69
U066	INSULATED COPPER CABLE 25mm² (DRUM 500m)	25	7	2.12
U068	INSULATED COPPER CABLE 35mm² (DRUM 500m)	35	7	2.50
U069	INSULATED COPPER CABLE 50mm² (DRUM 500m)	50	19	1.78
U071	INSULATED COPPER CABLE 95mm² (DRUM 500m)	95	19	2.50

Other dimensions are available

Strap

U080
COPPER COATED STEEL STRAP 20x3
Section (mm²) : 60
Width (mm) : 20
Thickness (mm) : 3
Length (m) : 60



Other dimensions are available

U094
TINNED COPPER COATED STEEL STRAP 30x2
Section (mm²) : 60
Width (mm) : 30
Thickness (mm) : 2
Length (m) : 50

Copper trolley

U095-6
COPPER TROLLEY
Diameter (mm) : 6
Length (m) : 3



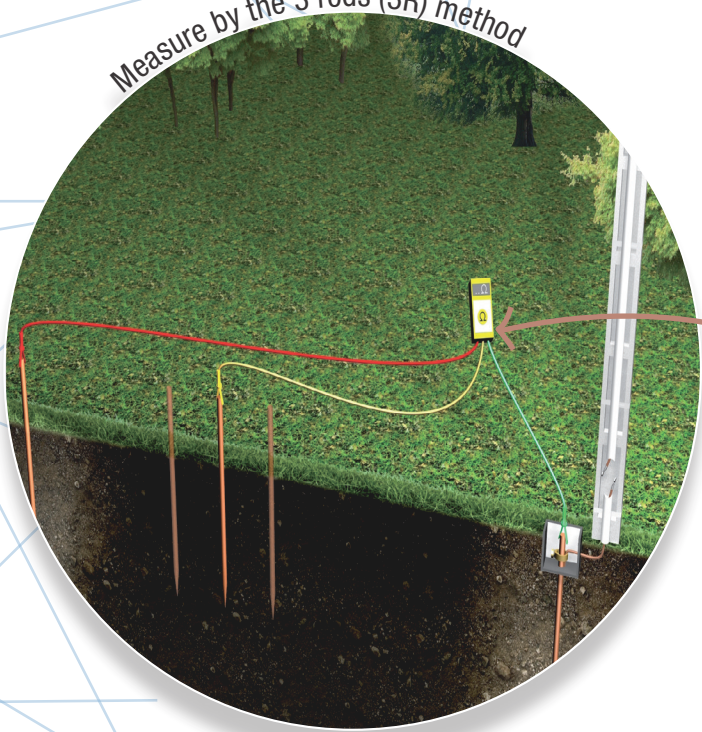
Other dimensions are available

Consult us



Earth tester

Measure by the 3 rods (3R) method



F439
Earth tester
Measure range (Ω) : 0 to 2k
Measure current : Constant 2mA @ 820Hz
Dimensions (mm) : 205x90x55
Sales unit : 1



Jumper clamp

Brass



U020

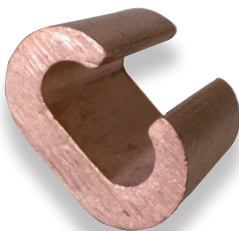
Code	Designation	Main conductor (mm²)	Tap conductor (mm²)	Sales Unit
U020	JUMPER CLAMP 6-16mm²	6-16	6-16	10
U021	JUMPER CLAMP 10-50mm²	10-50	10-50	10
U022	JUMPER CLAMP 50-70mm²	50-70	50-70	10
U023	JUMPER CLAMP 70-95mm²	70-95	70-95	10
U024	JUMPER CLAMP 95-150mm²	95-150	95-150	10



Implementation

«C» shape connector

Copper

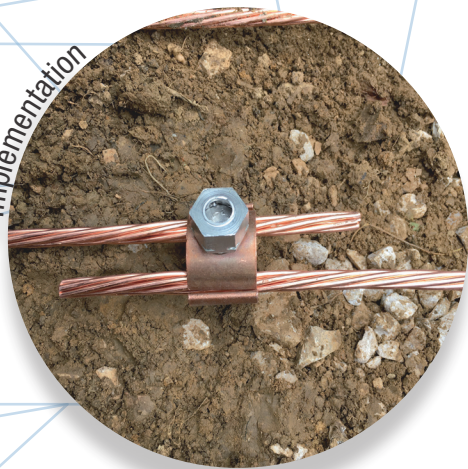


U009

Code	Designation	Main conductor (mm²)	Tap conductor (mm²)	Weight (kg)	Sales Unit
U003	C CONNECTOR 25-6	10-25	4-6	0.012	50
U004	C CONNECTOR 25-10	16-25	4-10	0.012	50
U005	C CONNECTOR 25-25	16-25	16-25	0.017	50
U006	C CONNECTOR 35-25	35	4-25	0.017	25
U007	C CONNECTOR 35-35	35	16-35	0.034	25
U008	C CONNECTOR 70-35	50-70	4-35	0.034	25
U009	C CONNECTOR 70-70	50-70	35-70	0.034	10
U010	C CONNECTOR 95-35	70-95	16-35	0.072	10
U011	C CONNECTOR 95-35	70-95	35-70	0.072	10
U012	C CONNECTOR 95-95	95	95	0.131	10

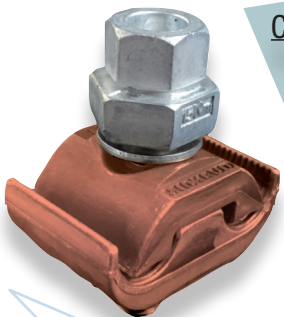
Copper connector

Implementation



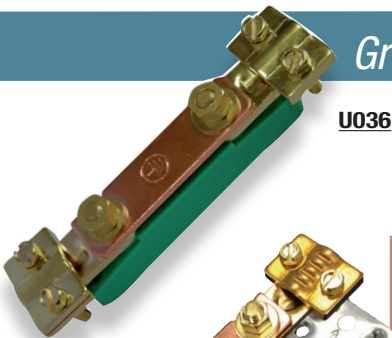
L260
COPPER CONNECTOR 10-70 SF + SH
Main conductor (mm²) : 10-70
Tap conductor (mm²) : 10-70
Sales unit : 50

Copper



Ground cutting blade

U036



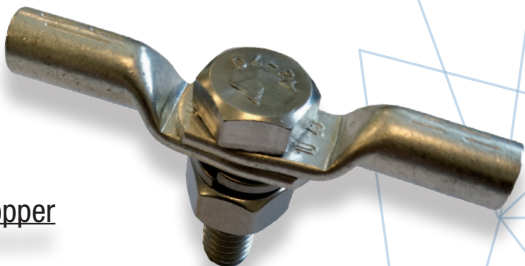
U035

Code	Designation	Conductor section min (mm²)	Conductor section max (mm²)	Sales Unit
U035	HIGH GROUND CUTTING BLADE	16	35	3
U036	LOW GROUND CUTTING BLADE	16	35	3

Earth system disconnection kit

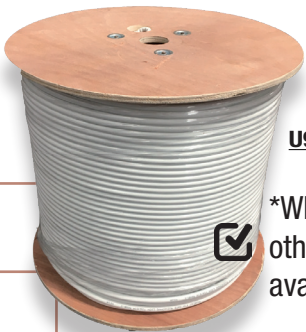
U031
EARTH SYSTEM DISCONNECTION KIT 25-29
Conductor min (mm²) : 25
Conductor max (mm²) : 29
Weight (kg) : 0.060
Sales unit : 10

Tinned copper



Cables and VDI cords

Code	Designation	Sales Unit
U900	CABLE CAT 6 FTP LSZH PREMIUM / DRUM 500m*	1
U900-A	CABLE CAT 6A SFTP LSZH PREMIUM / DRUM 500m	1
U903	CABLE CAT 5 FTP LSZH / DRUM 500m	1
Q165	SET OF 5 FLAT CORDS RJ45 FTP LENGTH 0.2m	1
Q166	SET OF 5 FLAT CORDS RJ45 FTP LENGTH 0.5m	1
Q167	SET OF 5 FLAT CORDS RJ45 FTP LENGTH 1m	1
Q912	RJ45 / RJ45 CABLE FTP LENGTH 2m	1
Q913	RJ45 / RJ11 CABLE LENGTH 2m	1



U900
*White by default, other colors are available



Q165



Q912

VDI patch panel

RANGE UNDER CONSTRUCTION
COMING SOON



Accessories

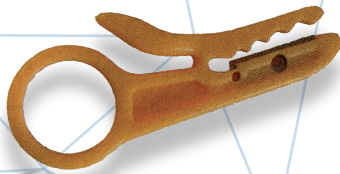
Code	Designation	Sales Unit
U909	FIXING SCREW FOR PATCH PANEL (BAG OF 25 PCS)	1
Q295	MULTIPAIR CABLE STRIPPER	1

Sockets and VDI panels

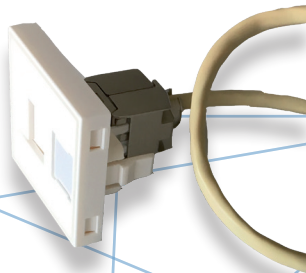
Code	Designation	Sales Unit
U906	RJ45 CAT 6 CORE FTP	100
U907	RJ45 PLASTRON 45x45	100
U908	RJ45 CAT 6 SOCKET FTP 2 MODULES (CORE + PLASTRON)	100
U910	24 PORTS PATCHPANELS + 24 PLUGS RJ45 CAT 6 FTP	10



U910



MICHAUD, MAJOR FRENCH PLAYER IN THE COMMUNICATION BOARD



U908

Coaxial cable

U970
INDEPENDENT CABLE 75 PVC COPPER

Roll (m) : 500
Weight (kg) : 22
Sales unit : 1



Toolings and installation

Gloves



U833-1



U820



F081

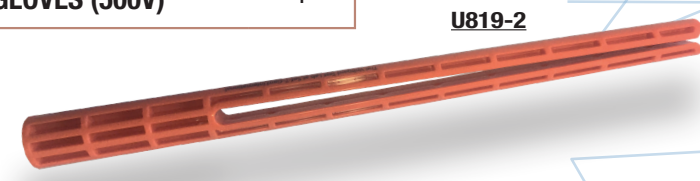
Code	Designation	Sales Unit
U820-10	INSULATING GLOVES CLASS 00 (500V)	1
U821-10	INSULATING GLOVES CLASS 0 (1 000V)	1
U822-10	INSULATING GLOVES CLASS 1 (7 500V)	1
U823-10	INSULATING GLOVES CLASS 2 (17 000V)	1
U824-10	INSULATING GLOVES CLASS 3 (26 500V)	1
U825-10	INSULATING GLOVES CLASS 4 (36 000V)	1
U833-1	PROTECTIVE NITRILE GLOVES	1
U833-2	PROTECTIVE LEATHER GLOVES	1
U819-1	GLOVES TESTER - PUMP DEVICE	1
U819-2	GLOVES TESTER - PORTABLE INFLATOR	1
F081	HANDLING LEATHER GLOVES (500V)	1



U819-1

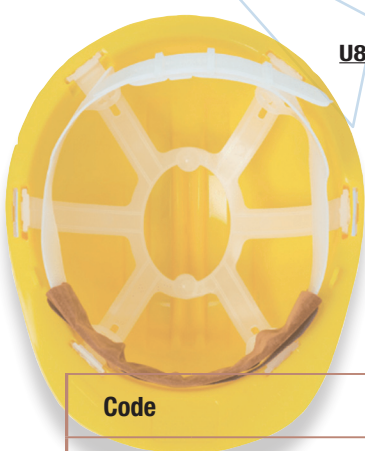


U833-2



U819-2

Helmets



U830-1

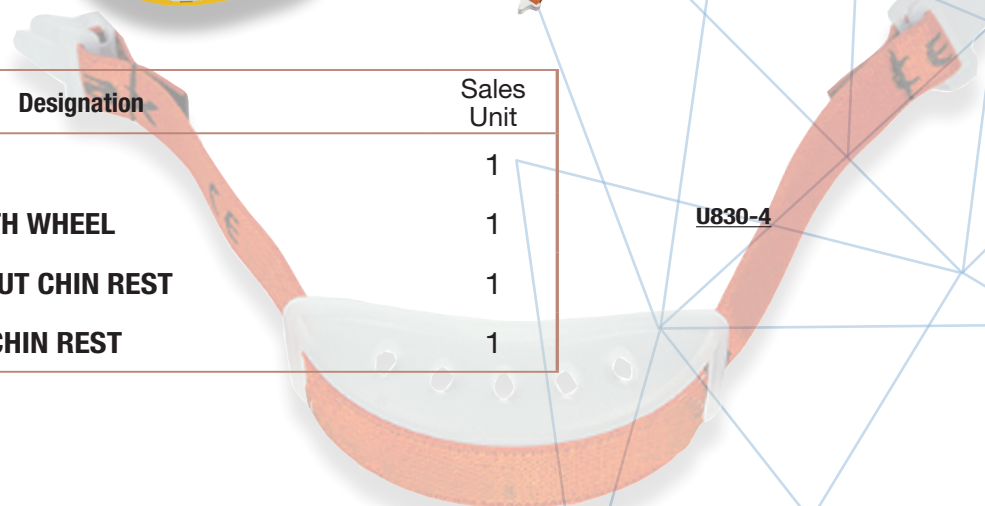


U830-2

Code	Designation	Sales Unit
U830-1	BASIC HELMET	1
U830-2	HELMET WITH TOOTH WHEEL	1
U830-3	CHIN STRAP WITHOUT CHIN REST	1
U830-4	CHIN STRAP WITH CHIN REST	1



U830-3



U830-4

Masks



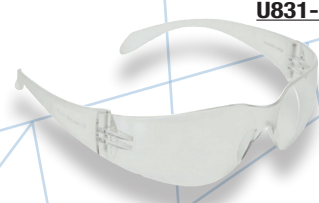
U832-1



U832-2

Code	Designation	Sales Unit
U832-1	FILTERING HALF MASK WITHOUT VALVE - FFP1	1
U832-2	FILTERING HALF MASK WITH VALVE - FFP1	1

Glasses and shields



U831-1



U831-2



U831-3

Code	Designation	Sales Unit
U831-1	PROTECTION GLASSES	1
U831-2	PROTECTION GLASSES TINTED - UV FILTER	1
U831-3	PROTECTION OVER GLASSES	1
U831-4	PROTECTION MASK	1
U831-5	FACE SHIELD - IMPACT PROTECTION	1
U831-6	FACE SHIELD - ELECTRIC ARC PROTECTION	1



U831-6



U831-5

Shoes



U826



U827



U828

Code	Designation	Protection classes	Sales Unit
U826	HIGH SAFETY SHOES - DIELECTRIC PROTECTION	SB	1
U827	SHORT SAFETY SHOES - DIELECTRIC PROTECTION	SB	1
U828	HIGH SAFETY SHOES - MECHANICAL PROTECTION	S2	1
U829	SHORT SAFETY SHOES - MECHANICAL PROTECTION	S2	1



U829

✓ Sizes from 39 to 46

Harnesses



Code	Designation	Sales Unit
U834-2	HARNESS 1 ANCHORING POINT	1
U834-3	HARNESS 2 ANCHORING POINTS	1
U834-4	HARNESS 4 ANCHORING POINTS	1
U834-5	HARNESS 2 ANCHORING POINTS + DIELECTRIC	1
U834-6	WAIST HARNESS	1



U834-3

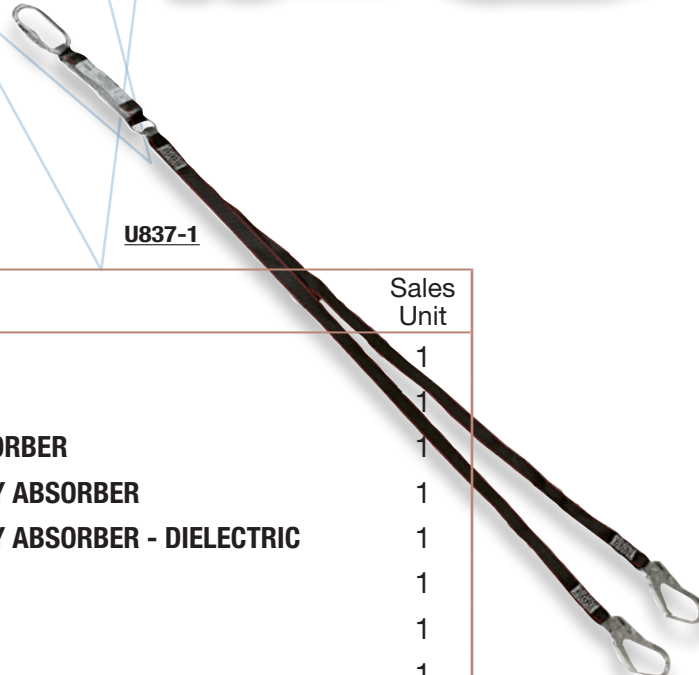
Ropes and tethers



Code	Designation	Sales Unit
U836-1	POLYAMIDE ROPE - 10 METERS	1
U836-2	POLYAMIDE ROPE - 20 METERS	1
U837-1	Y TETHER WITH CARABINERS AND ENERGY ABSORBER	1
U837-2	SIMPLE TETHER WITH CARABINERS AND ENERGY ABSORBER	1
U837-3	SIMPLE TETHER WITH CARABINERS AND ENERGY ABSORBER - DIELECTRIC	1
U837-4	Y TETHER WITH CARABINERS	1
U837-5	SIMPLE TETHER WITH CARABINERS	1
U837-6	SIMPLE TETHER	1
U837-7	SIMPLE ADJUSTABLE TETHER	1
U837-8	SIMPLE ADJUSTABLE TETHER WITH CARABINERS - DIELECTRIC	1



U836-1
U836-2



U837-1

Belts

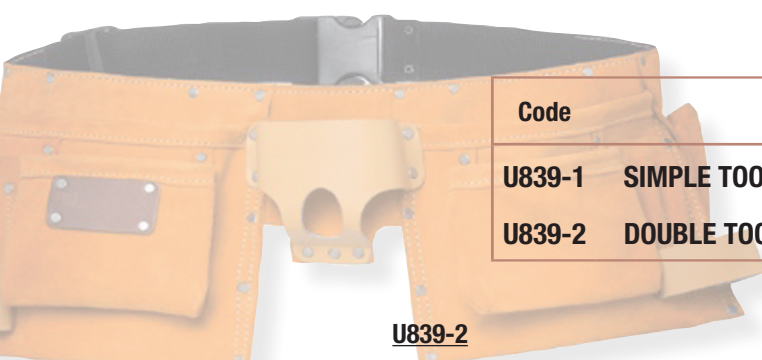


Code	Designation	Sales Unit
U835-1	WORK POSITIONNING BELT	1
U835-2	WORK POSITIONNING BELT (BELT + ROPE + CARABINER)	1



U835-2

Accessories



Code	Designation	Sales Unit
U839-1	SIMPLE TOOL BELT	1
U839-2	DOUBLE TOOL BELT	1

U839-2



U839-1



U836-4



U838-2



U838-3

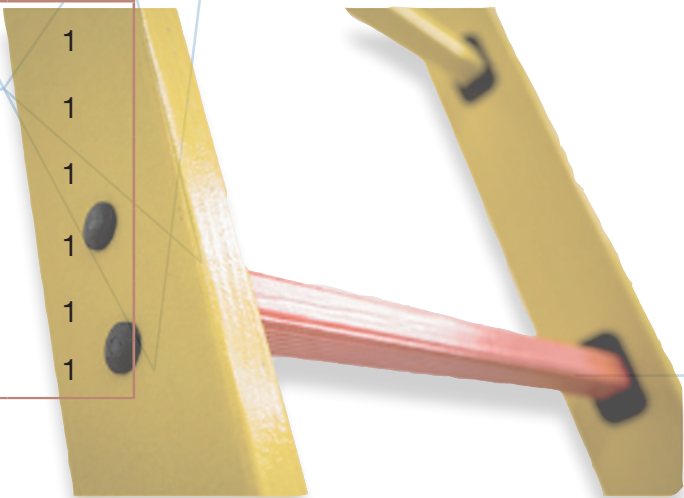


U838-4

Code	Designation	Sales Unit
U836-3	GUIDED TYPE FALL ARRESTERS	1
U836-4	CARABINER	1
U838-1	TIE-OFF	1
U838-2	TIE-OFF - DIELECTRIC	1
U838-3	ANCHORING POINT	1
U838-4	HANGING RING	1

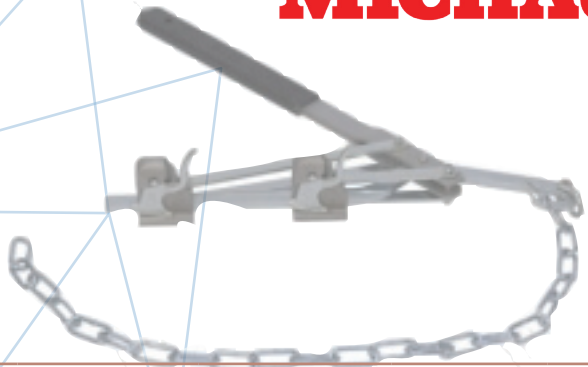
Insulating ladder

Code	Designation	Sales Unit
U841-3	INSULATING LADDER 3m	1
U841-3.5	INSULATING LADDER 3.5m	1
U841-4	INSULATING LADDER 4m	1
U841-4.5	INSULATING LADDER 4.5m	1
U841-5	INSULATING LADDER 5m	1
U841-6	INSULATING LADDER 6m	1



Wire-strainer

Code	Designation	SWL (kg)	Ø cable or Ø wire to pull (mm)	Lever's two way distance (mm)	Comealong type	Sales Unit
U353	WIRE-STRAINER (400kg)	400	from 5 to 8	65	G. 2	1
U351	WIRE-STRAINER (600Kg)	600	from 7 to 15	75	G. 3	1
U352	WIRE-STRAINER (800kg)	800	from 14 to 18	90	G. 4	1



Insulating mat

Code	Designation	Working alternative volatge (V)	Sales Unit
U840-0	INSULATING MAT CLASS 0 - 1×1m	1 000	1
U840-1	INSULATING MAT CLASS 1 - 1×1m	7 500	1
U840-2	INSULATING MAT CLASS 2 - 1×1m	17 000	1
U840-3	INSULATING MAT CLASS 3 - 1×1m	26 500	1
U840-4	INSULATING MAT CLASS 4 - 1×1m	36 000	1



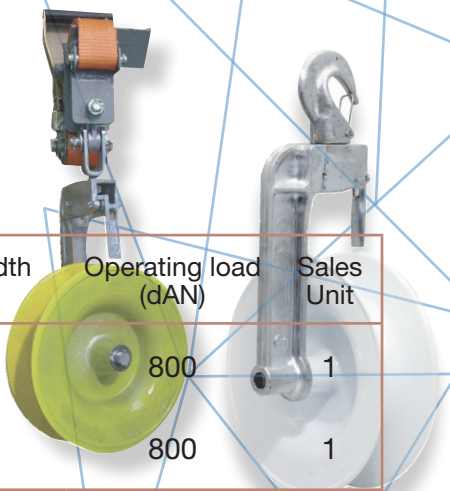
Pole climbers

Code	Designation	Sales Unit
F448 - 20	WOODEN POLE CLIMBERS 6 PEAKS DIAM 20cm	1
F448 - 25	WOODEN POLE CLIMBERS 6 PEAKS DIAM 25cm	1
F448 - 30	WOODEN POLE CLIMBERS 6 PEAKS DIAM 30cm	1
F448 - 35	WOODEN POLE CLIMBERS 6 PEAKS DIAM 35cm	1
UXXX	CONCRETE POLE CLIMBERS AUTOMATIC TIGHTENING 120-450mm	1
UXXX	STEEL POLE CLIMBERS AJUSTABLE 26/40	1




Pulley for aerial bundled conductors


Code	Designation	Pulley width (mm)	Operating load (dAN)	Sales Unit
F240	PULLEY WITH STRAP	60	800	1
F241	PULLEY WITH HOOK	60	800	1




Wrenches and keys



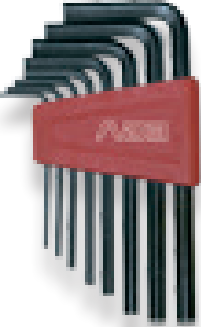
F445



U814-1



U814-2



U814-3

Code	Designation	Sales Unit
F445	INSULATED RATCHET WRENCH HEXAGONAL 13/17mm	1
U814-1	MONKEY WRENCH 10" 1000V	1
U814-2	MONKEY WRENCH 12" 1000V	1
U814-3	SET OF 10 SPHERICAL HEAD HEX KEYS	1

Screwdrivers



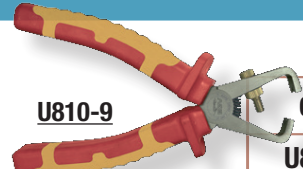
Code	Designation	Sales Unit
U815-1	SET OF 6 SCREWDRIVERS 1000V	1
U815-2	SET OF 6 SCREWDRIVERS	1
U815-3	SET OF 7 SCREWDRIVERS TORX	1




Sets of 5, 17, 26, 31 et 37 pieces are available. Consult us.



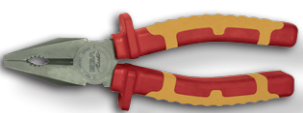
Pliers




U810-9




U810-8




U810-1



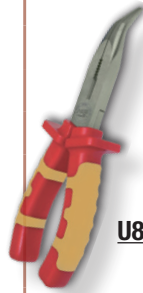
U810-2



U810-3



U810-11



U810-6

Code	Designation	Sales Unit
U810-1	UNIVERSAL PLIER = 165mm 1000V	1
U810-2	UNIVERSAL PLIER L= 180mm 1000V	1
U810-3	UNIVERSAL PLIER L= 200mm 1000V	1
U810-4	UNIVERSAL PLIER L= 210mm 1000V	1
U810-5	PHONE PLIER 1000V	1
U810-6	CURVED PHONE PLIER 1000V	1
U810-7	DIAGONAL CUTTING PLIER 1000V	1
U810-8	STRENGTHENED CUTTING PLIER 1000V	1
U810-9	STRIPPING PLIER 1000V	1
U810-10	PLIER FOR INSULATED TERMINALS	1
U810-11	WATER PUMP PLIER	1
U810-12	SET OF 3 PLIERS 1000V	1

Cutting tools



U811-5




U811-2




U811-3

Code	Designation	Sales Unit
U811-1	CABLE CUTTER 1000V	1
U811-2	CABLE CUTTER WITH PAWL DIAM 32 1000V	1
U811-3	CABLE CUTTER WITH PAWL DIAM 52 1000V	1
U811-4	CABLE CUTTER WITH PAWL DIAM 70 1000V	1
U811-5	BIG BREACH SCISSORS 1000V	1
U811-6	ANGLED KNIFE 1000V	1
U811-7	CUTTING PLIER FOR PLASTIC SADDLES	1
U811-8	PLASTIC PIPE CUTTER 1000V	1


Measuring devices



U813-2



U813-3



U813-1

Code	Designation	Sales Unit
U813-1	DIGITAL MULTIMETER	1
U813-2	CLAMP AMMETER	1
U813-3	DIGITAL TESTER 220V	1

Twisted aluminum cable



Code	Designation
U310	TWISTED ALU CABLE METER 2x16mm²
U311	TWISTED ALU CABLE METER 4x16mm²
U312	TWISTED ALU CABLE METER 2x25mm²
U313	TWISTED ALU CABLE METER 4x25mm²

The minimum sales unit is **1000m**
then by step of **100m**
(Tolerance ± 5%)



Network accessories

Connectors



Code	Designation	Sales Unit
K232	CONNECTOR CBS / CT 95	80
L256	CONNECTOR CDRS / CT 95	50
L227	CONNECTOR CES / CT 95	200
L356	CONNECTOR CDRS / CT 150	30

Network anchoring



☑ D'autres sections disponibles, nous consulter.



Code	Designation	Sales Unit
U500_4x25	ANCHORING CLAMP 4x25mm² - PA 4*25	100
U501	ANCHORING CLAMP 54,6 mm² - PA 54,6	30
U501-70	ANCHORING CLAMP 70 mm² - PA 70	25
U502	ANCHORING BRACKET 54,6 mm² - CA 54,6	50
U502-70	ANCHORING BRACKET 70 mm² - CA 70	60
U503	SUSPENSION ASSEMBLY 54,6 mm² - ES 54,6	30
U503-70	SUSPENSION ASSEMBLY 70 mm² - ES 70	25

Stainless steel strap

Width : 10 mm

K940

CARDBOARD WINDER 50m STAINLESS

STEEL STRAP EC 10x0.4mm

UV : 5

K941

CARDBOARD WINDER 50m STAINLESS

STEEL STRAP 10x0.7mm

UV : 5

Cardboard winder



Width : 20 mm

K942

CARDBOARD WINDER 50m STAINLESS

STEEL STRAP EC 20x0.4mm

UV : 5

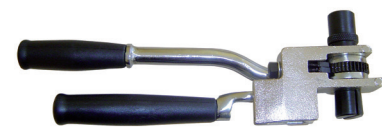
K943

CARDBOARD WINDER 50m STAINLESS

STEEL STRAP EC 20x0.7mm

UV : 5

Also exists in synthetic material winder



K960

BINDING TOOL RATCHET-TYPE

UV : 1

To watch our installation videos,
go on our Youtube channel !
/michaud export



Matching accessory

L950

BUCKLE

Set of 100

Strap EC 10mm

UV : 1



Matching accessory

L951

BUCKLE

Set of 100

Strap EC 20mm

UV : 1



Nuts and bolts

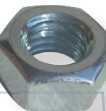
Consult us



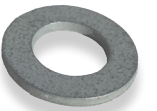
U435



U434



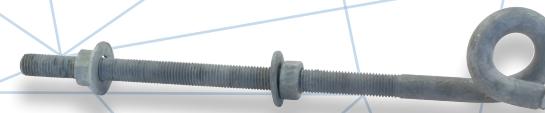
U438



U437

Code	Designation	Sales Unit
U434	GALVANISED LAG SCREW DIN 571 DIAMETER x LENGTH (SET OF 100)	1
U435	BOLTS BH (SET OF 100)	1
U437	WASHERS (SET OF 100)	1
U438	NUTS HM XX (SET OF 100)	1
U439	THREADED SHAFTS TF (SET OF 100)	1

Pigtail bolt



Pigtail bolt (BQC)



F345

Code	Designation	Sales Unit
F314	PIGTAIL BOLT BQC 12x110 CH WITH 1 NUT*	10
F315	PIGTAIL BOLT BQC 12x250 WITH 2 NUTS	25
F316	PIGTAIL BOLT BQC 12x300 WITH 2 NUTS	10
F317	PIGTAIL BOLT BQC 12x350 WITH 2 NUTS	25
F323	PIGTAIL BOLT BQC 16x300 WITH 2 NUTS	20
F345	ANCHORING HOOK PIGTAIL TQC 12x200	50

* Delivered with peg

Wall pole




U495

Code	Designation	Length (mm)	Sales Unit
U495-1500	WALL POLE 50x50x1500	1500	1
U495-2000	WALL POLE 50x50x2000	2000	1
U495-2500	WALL POLE 50x50x2500	2500	1
U495-3000	WALL POLE 50x50x3000	3000	1
U496-500	BINDING ARM 500	500	1
U496-1100	BINDING ARM 1100	1100	1
U497-50	ROUND FLANGE 50		1

LV network

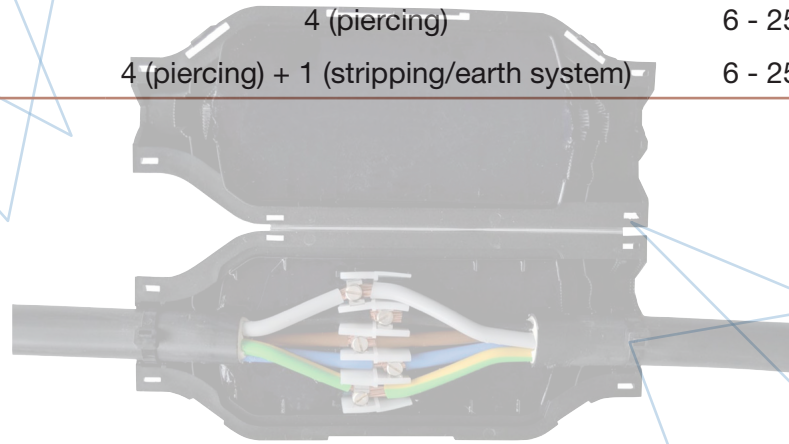
Tap and junction gel boxes



 Available without connectors

Junction with connector

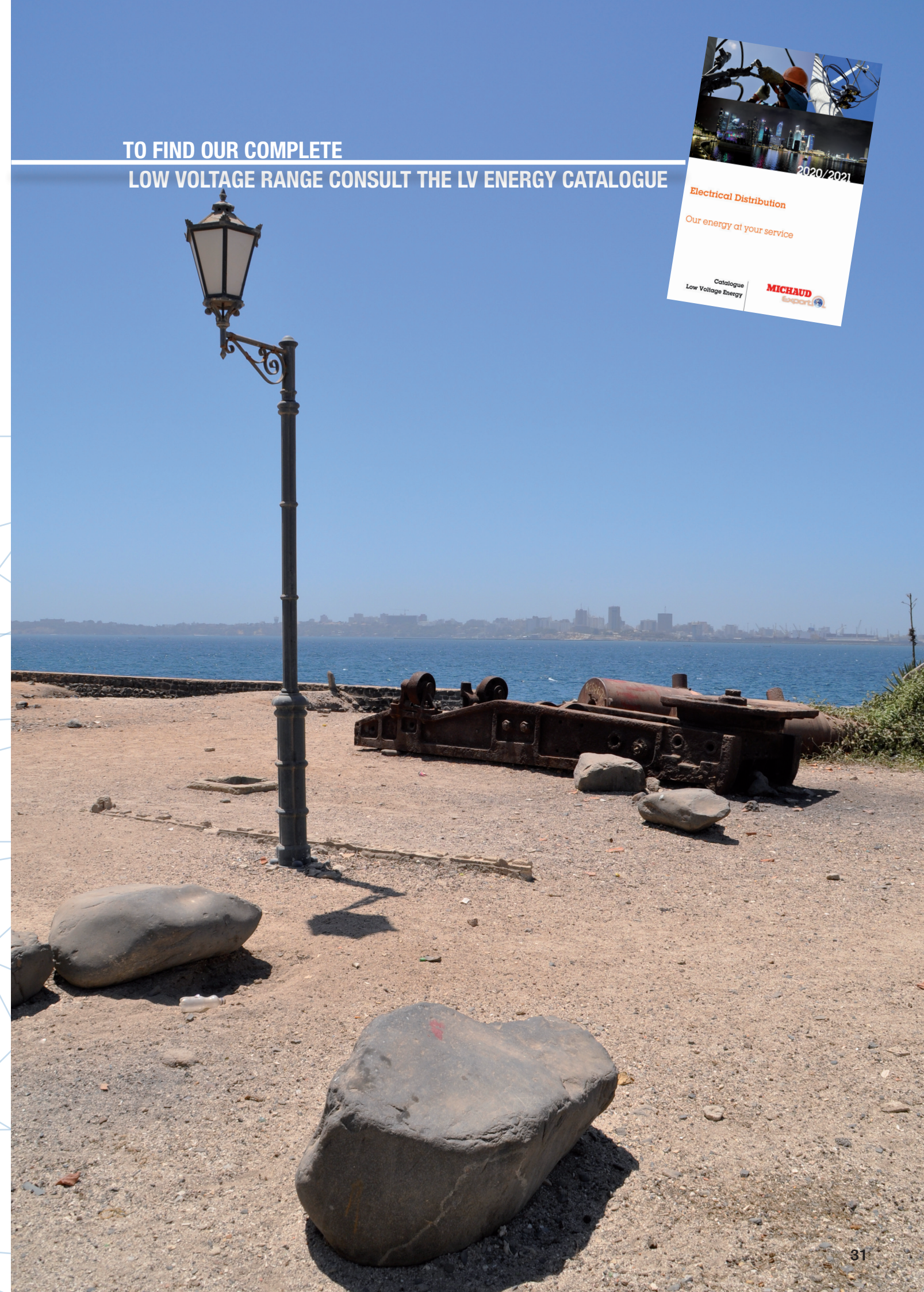
Code	Designation	Number of conductors	Main section mini / maxi (mm ²)	Dimensions L x l x D (mm)
N708	QUICKGEL 125C	1	6 - 25	86 x 47 x 27
N709	QUICKGEL 32.5C	3	1.5 - 2.5	86 x 47 x 27
N710	QUICKGEL 506C	3 to 5	1.5 - 6	146 x 55 x 35
N711	QUICKGEL 516C	3 to 5	6 - 16	180 x 69 x 40
N712	QUICKGEL 425P	4 (piercing)	6 - 25	240 x 75 x 43
N713	QUICKGEL 525P	4 (piercing) + 1 (stripping/earth system)	6 - 25	240 x 75 x 43



Junction / tapping with connector

Code	Designation	Number of conductors	Main section mini / maxi (mm ²)	Tap section mini / maxi (mm ²)	Dimensions L x l x D (mm)
N714	QUICKGEL 516YC	3 to 5	6 - 16	2.5 - 6	220 x 110 x 53
N715	QUICKGEL 525YC	3 to 5	16 - 25	2.5 - 25	260 x 130 x 65

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implementation



Implementation

These products must be implemented and used in compliance with the applicable regulations with a skilled, qualified professional undertaking to do so following the generally accepted rules of the trade.

For live-line implementation or handling, the electrician must comply with the requirements for live-line work conditions and must be equipped with the necessary personal protection equipment. The implementation temperature limits are: -10°C to +40°C.

Live-line work is carried out under the responsibility of the ordering customer in compliance with the applicable rules.

Before powering up the equipment, all the required verifications must be carried out.

Recommendations for use

The installation instructions must be read carefully before using the product.

The product must be used and implemented in compliance with these recommendations for use and installation instructions. It must be used for the applications for which it was defined by the operator/manager of the network and on an electrical installation that is compliant and compatible with the product.

Never exceed the capacities indicated on the device and in the instructions sheet.

Unless explicitly indicated, products are designed for no-load connection.

Tools

The product should be installed and used with suitable tools.

The screw heads should be tightened with the appropriate tool: Spanner for hexagonal cap screws, flat screwdriver for slotted screw heads of the right size, Phillips screwdriver for cruciform screw heads, HSHC screw head (awls) for hollow hexagonal screw heads, etc. The screw heads with no torque-limiting device must be tightened to the recommended torque and must not be tightened again.

Environment

Please group your waste together and follow the recycling and destruction instructions before leaving the worksite.

1. APPLICATION OF CONDITIONS:

Purchaser make himself acquainted with these general selling conditions which shall lay down the Parties law, except purchaser's written denunciation ratified by MICHAUD EXPORT and despite opposite clauses that could be included in the purchaser's general conditions. Possible renunciation of one or few clauses herein does not interfere with the validity of the other clauses. Except any formal and express derogation made by MICHAUD EXPORT, all purchaser's orders carry off his full and entire consent to the present General Selling Conditions which prevail over any Purchasing Conditions. All particular purchasing clauses or conditions aiming to modify the present conditions must not be contrary to the seller's ones.

2. ORDER:

Any order shall not constitute a contract unless accepted in writing by MICHAUD EXPORT.

3. PRICE LIST:

- 3.1 Unless otherwise stated by MICHAUD EXPORT, price lists and commercial offers are established in Euro €, excluding any other currency, even Euro indexed currencies, and is governed by Incoterms 2010 to be defined with the purchaser in the particular conditions.
- 3.2 The price list is established for standard items with specific given technical characteristics. Any technical changes on products to adapt them to other specifications or standards may lead to extra unit costs and price revision.
- 3.3 Unless otherwise stated by MICHAUD EXPORT, MICHAUD EXPORT reserves the right to gather purchaser's orders and to deal with according to a minimum invoice amount of 800 € excluding tax and freight charges (according to general price list in due force on the order date). Any order which amount is lower than 1 500 € shall result in the invoicing of a fixed sum of 150 € meant to cover administrative fees. Unless otherwise stated and written by MICHAUD EXPORT, validity of the price list is one month starting when given to the purchaser.
- 3.5 The price list is subject to alteration without notice.

4. DELIVERY TIME:

- 4.1 The delivery time is defined as the case may be according to the commercial relationships established with the purchaser. MICHAUD EXPORT use their best endeavours to deliver the goods by the time fixed for delivery, however, in case of delay, they will not be responsible for any loss or damage thereby caused to the purchaser unless expressly accepted in writing by MICHAUD EXPORT.
- 4.2 Should partial or delayed deliveries occur, it does not justify any cancellation of purchaser's orders, and MICHAUD EXPORT shall not be liable and responsible for any actual or potential, direct or indirect, or consequential damages caused to the purchaser through delay or by failing on deliveries.

5. DISPATCH:

- 5.1 MICHAUD EXPORT use their best endeavours to select appropriate method of delivery with no responsibility on it. Choice shall be made freely unless purchaser's contrary notice who then support following additional cost that may follow.
- 5.2 Ex-works delivery is considered as an effective delivery, notably regarding modalities and payment terms.
- 5.3 Partial loss or damage during in transit must be reported to the carrier and to MICHAUD EXPORT in writing by registered letter with proof of delivery within three days after receipt of the goods by the purchaser. If these conditions are not complied with, the purchaser will be responsible for any loss or damage that may occur during transit. The purchaser commits to return to MICHAUD EXPORT at his own costs and risks the products he rejected during his check-up for due investigation. The purchaser agrees that MICHAUD EXPORT shall return the products at the purchaser's cost and risks after examination or any possible repair or replacement.

6. USE OF THE PRODUCTS:

The purchaser has to follow imperatively the laws, current prescriptions in due force and custom rules regarding instruction procedures and use of the products. MICHAUD EXPORT shall not be responsible in case of wrong use of the products according to the specifications and prescriptions of use advised by MICHAUD EXPORT.

7. TESTING AND INSPECTION:

When testing and/or inspection is required by the purchaser, tests shall be carried out at MICHAUD SA's facilities, and relevant costs shall be covered by the purchaser, unless any exemption agreed and approved by MICHAUD EXPORT.

8. WARRANTY:

- 8.1 MICHAUD EXPORT guarantees the purchaser against latent defect of the goods according to the conditions driven by the law. Once a guaranteed shortcoming is stated by the buyer, it is up to him to send his reclamation to MICHAUD EXPORT with a registered letter with proof of delivery within a time limit of three months starting from the fault's appearance. This reclamation has to be accompanied by a detailed description of the fault's nature. After this period of time the goods delivered shall be deemed as in good condition and the purchaser is no longer entitled to make a complaint about any defect on the products.
- 8.2 MICHAUD EXPORT guarantees its products for a period of one year after delivery or shifting from our facilities. In case of fault, defect, non-conformity proved or admitted by MICHAUD EXPORT, MICHAUD EXPORT undertakes to replace the products admitted defective in reasonable time. In order to be replaced, rejected products shall be returned. No other prejudice of damage shall be required by the purchaser.
- 8.3 The guarantee is excluding the followings:
 - If the product has been repaired or modified by the buyer or by third parties chosen by him ; or
 - If it concerns items that have been made by sub-contractors or MICHAUD EXPORT

suppliers to whom the normal producer or Subcontractor guaranty applies ; or
- If the defect is coming from the buyer's negligence, or recklessness ; or
- If the defect is the result of a force majeure or of an external event.

9. TAKING BACK OF THE PRODUCTS:

In case the purchaser renounces to the ordered and delivered products, no taking back will be considered unless expressly accepted in writing by MICHAUD EXPORT. Rejected goods shall be sent back to the French plant defined by MICHAUD EXPORT. Credit of the sent back goods will be registered after receipt in the warehouse. Taking back value will systematically take into consideration a reduction to be defined for administrative and check-up cost as well as a reduction for restoration of the product and packaging if necessary.

10. PAYMENT:

- 10.1 Payment terms are defined with the purchaser in the particular conditions. All goods shall be paid to the MICHAUD EXPORT head office located in Viriat France whatever the payment terms used. Invoice date shall be the starting point of the settlement period.
- 10.2 Legal property transfer of the goods shall be retained until full payment of the whole sold goods. MICHAUD EXPORT keep the property of the goods until full payment of their price, sending bank drafts or any other bond notes building payment obligation not constituting a payment.
- 10.3 Any unpaid draft or invoice being at maturity will produce due interest, without giving notice. Applicable penalties shall be equivalent to three times the legal interest rate at the payment date located on the invoice. Payment of any other sums owed by the failing debtor shall be immediately payable, even if they are accepted draft. Any full or partial non-execution by the Customer of the payment obligations or any delay in payment shall, without prejudice to any damages and interests, lead to the payment of fees of 40 € for collection charges set down by decret made pursuant to the section 121 of this act. Moreover, MICHAUD EXPORT keep the right, in that case, to suspend or cancel fulfilment of the contracts and pending orders and demand cash in advance payment of any other delivery, whatsoever past conditions agreed for such delivery.
- 10.4 Any change in the purchaser situation regarding sale or other party's investment in the business, decease, incompetence, suspension of payment, official recovery, official receivership, temporary proceedings suspension, dissolution or form modification, even after partial fulfilment of the contracts or pending orders entails application of the same conditions as the ones described in case of unpaid invoice.

11. FORCE MAJEURE:

Neither MICHAUD EXPORT nor the buyer can be held responsible for a possible delay or lack in their obligations' execution, if this delay or lack is the result of a force majeure. A force majeure exists notably in the following situations, if they present certain characteristics of a force majeure, this means if the event was irresistible, unforeseeable, and externally provoked. This non-exhaustive list enumerates some situations which constitute a force majeure: explosions, fires, incidents, destruction of machinery, factories and equipment, natural disasters, acts by governmental authorities (refusing or cancellation of a license ...), wars, or any acts of war, flooding, riots, or social conflicts.

The party that faces such a circumstance which responds to the above given definition must immediately inform in writing the other party of this intervention and when this circumstance possibly ends. In the case of absence of information, the concerned party can not prevail over, unless in the case of intervening circumstances, which also prevent any communication.

Where a force majeure case which responds to the above definition intervenes, the time for the contract's execution is prolonged for a period of time corresponding to the event's duration. This does not include any payment of damages and interest or a penalty for the delay. However if the above mentioned circumstances do persist for a period of time of 6 months, each party can cancel the contract without any payment of damages and interest.

12. CANCELLATION:

The contract is cancelled by law, without the need of any judicial formality where there are serious shortcomings by one of the parties concerning essential obligations. Cancellation would become effective within one month after the mailing of a registered letter with proof of delivery of an earlier made formal notice which stayed unfruitful.

The essential obligations, which the parties have to fulfill, notably consist of the due payment by the buyer or the merchandise's non-delivery by MICHAUD EXPORT. In case of a serious shortcoming to the contract's essential obligations, the sale will be cancelled in good law without prejudice of damages and interest that can be claimed.

Any tolerance that one party allows the other not to prevail immediately over one of its rights, will not prejudice the party's rights to prevail over them later, except in case of a contrary convention or stipulation to the present conditions.

13. JURISDICTION ATTRIBUTION:

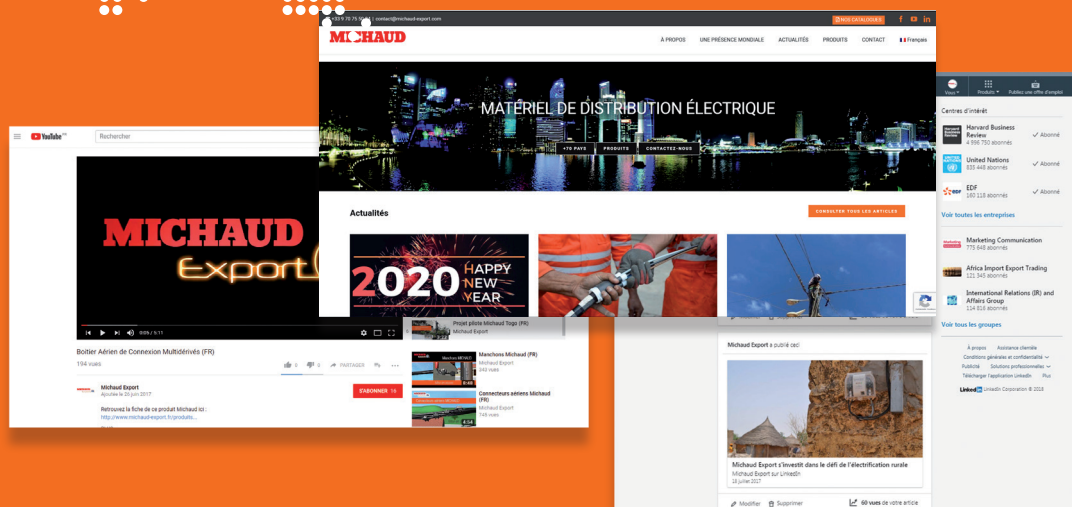
These General Selling Conditions shall be ruled and governed by the French Law as followed by the courts. Any dispute deriving from these General Selling Conditions, after failure of a previous conciliation procedure shall be of the exclusive French jurisdiction of the competent Commercial Court of Lyon located in France. Each party accepts to bear any costs and expenses it would have exposed.

14. OFFICIAL LANGUAGE:

The French version of these general selling conditions, available upon enquiry, is the only legally acceptable version.



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