



ecobus power 5G10mm²

When you need more power.



Connecting box 5x4mm², No. 49970.

- Direct connection of loads at any point of the cable.
- Flat cable connected by means of pointed screws, without the cable insulation having to be stripped.
- Connection of one round cable up to 5x4mm² or one flat cable, spring-type connection
- For supply or branching of flat cable.
- For rational installations it is recommended to use an electric screwdriver (Please observe the tightening torques!)

Connecting box 5x10mm², No. 49971.

- May only be connected at the end of the cable.
- Flat cable connected by means of pointed screws, without the cable insulation having to be stripped.
- Connection of one round cable up to 5x10mm², spring-type connection.
- For supply or branching of flat cable.
- For rational installations it is recommended to use an electric screwdriver (Please observe the tightening torques!)

Where are these flat cables used?

- For the lighting of halls
- For the supply of loads in open-plan offices through round or flat cables
- In data processing centers
- In hotels/restaurants
- In shopping centers
- In hospitals, clinics, residential facilities

ecobus power 5G10mm²

Flat cable 5G10mm²

5.2.80

- may be used as supply lines for field cables
- may be used for feeding machines
- asymmetric flat cable to avoid reverse polarity



Flat cable of PVC
3L+N+PE



Flat cable halogen-free
3L+N+PE

No.

49884

113 289 518

49885

113 389 504

Technical data

	PVC	Polyethylene Compound
Sheath	PVC	Polyethylene Compound
Colour of the sheath	light green ¹	light green ²
Dimensions	38.5x10mm	38.5x10mm
Weight	845g/m	845g/m
Fire load	2.12kWh/m	1.84kWh/m
No. of leads x cross-section	5x10mm ²	5x10mm ²
Copper conductors	bare, highly flexible	bare, highly flexible
Insulation of the leads	PVC	Flame retardant, vulcanized and halogen-free Polyethylene Compound
Colour of the leads	brown, blue, green/yellow, black, grey	brown, blue, green/yellow, black, grey
Test voltage	4kV, 50Hz	4kV, 50Hz
Rated voltage	0.6/1kV	0.6/1kV
DC-resistance	1.91Ω/km	1.91Ω/km
Packing unit	250m/500m	250m/500m

Accessories

see page

see page

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Connecting box	49971	5.2.81	49971	5.2.81
Branching box	49970	5.2.82	49970	5.2.82
Cable end piece	49972	5.2.83	49972	5.2.83
Set of two clamps for screwing on	49977	5.2.83	49977	5.2.83
Cable stripping tool	49976	5.2.83	49976	5.2.83
Shears	49929	5.2.83	49929	5.2.83
Insulating tape	49960	5.2.83	49960	5.2.83

¹ other colours on request (e.g. red, white, black)

² other colours on request (e.g. red, white, black)

ecobus power 5G10mm²

Connecting box for the supply at the end of the cable to flat cables No. 49884 and 49885

- positioned at the end of the cable
- Connected through terminal blocks, may be marked



Connecting box 5x10mm²
for the supply

5.2.81

No.

49971

150 724 047

Technical data

Weight	556g
Dimensions LxWxH	160x90x55mm
Fire load	1.20kWh
Plastic parts	transparent, halogen-free
Metal parts	corrosion-resistant
No. of leads x cross-section	5x10mm ²
Connecting capacity	5.2x9mm
Rated voltage	750V
Max. rated current	57A
Packing unit	2 pce.
Degree of protection	IP20

ecobus power 5G10mm²

Branching box for flat cables No. 49884 and 49885

5.2.82

- diminution of cross-section when branching
- automatic circuit-breaker may be placed after the branching
- reverse polarity protection
- longitudinal branching



Branching box 5x4mm²
for supply and branching, without wire stripping

No.

49970

150 705 337

Technical data

Weight	156g
Dimensions LxWxH	110x51x48mm
Fire load	0.62kWh
Plastic parts	transparent, halogen-free
Metal parts	corrosion-resistant
No. of leads x cross-section	5x4mm ²
Connecting capacity	3.9x3.4mm
Pointed screws	tightening torque 1.4Nm, Phillips-head screwdriver No. 2
Rated voltage	690V
Max. rated current	25A
Packing unit	25 pce.
Degree of protection	IP20

Accessories

Cable end piece



49972
120 900 007

Of polycarbonate, halogen-free, transparent
Dimensions: 47x40x17mm
Weight: 11.5g
Fire load: 0.10kWh
Packing unit: 10 pce.

Note:
Before mounting the cable, first strip it at both ends for a distance of 19mm so that the specified creepage distance will be observed.

5.2.83

Set of two clamps for screwing on



49977
120 000 007

Cross-section of fixing holes 4.5mm. Distance between fixing holes 47mm.
Of polyamide 66, fiber-glass reinforced, halogen-free, black
Dimensions (of one clamp): 56x15x12mm
Weight: 6.5g
Fire load: 0.04kWh
Packing unit: 100 pce.

Shears



49929
983 045 037

For cutting neatly and easily every type of flat cables.
Packing unit: 1 pce.

Cable stripping tool



49976
983 050 727

The cable stripping tool allows the sheath to be split up on the narrow sides of the cable. Both sheath parts may then be cut by means of the shears.
Packing unit: 1 pce.

Note:
The cable has to be stripped at both ends for a distance of 20mm so that the conductors can be inserted properly in the end pieces.

Insulating tape



49960
171 013 004

To reinsulate correctly the holes due to pointed screws or cutting teeth when removing or displacing connections.
Insulating tape trademark "Scotch 2210", synthetic caoutchouc-based product, PVC coated black.
Weatherproof, self-fusing.
Dimensions: 102x100x2.3mm
Dielectric strength: max. 23kV/mm
Temperature: max. +70°C
Packing unit: 10 pce.