



ecoline P3

3G2.5mm²

The efficiency of this system is related to its great flexibility and extension facility, anywhere, anytime.

Connecting box 3x2.5mm², No. 49687.

- Direct connection of loads at any point of the cable.
- Flat cable connected by means of pointed screws - no need to strip the insulation
- Connection of a round cable up to 3x2.5mm² or of a second flat cable by means of screws.
- Suitable for the supply of flat cable or for the branching from flat cable
- For rational installations it is recommended to use an electric screwdriver (Please observe the tightening torques!)

Connector 3x2.5mm², No. 49695.

- 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 a round cable up to 3x2.5mm² or of a second flat cable by means of screws.
- Suitable for the branching from flat cable (cannot be used for the supply of the cable)
- For a quick wiring: the integrated lever makes every tool needless.

Where are these flat cables used?

- in offices where the number of computers is liable to be increased and the furniture to be displaced.
- in workshops and laboratories equipped with small-sized machines and devices. The flat cables are then laid into floor-, ceiling- or wall ducts
- in shops and show windows where the connecting points may often change
- for the installation of prefabricated houses
- in hanging ceilings for the supply of lamps.

Flat cable enables installations to be completed easily with further connections.



ecoline P3 3G2.5mm²

Flat cable 3G2.5mm²

5.2.12

- easy installation
- narrow, flexible
- asymmetric flat cable to avoid reverse polarity



Flat cable of PVC
L+N+PE



Flat cable halogen-free
L+N+PE

No.

No.	49685	113 297 807	49686	113 307 807
with black strips	49685/SM		49686/SM	

Technical data

	PVC, oil resisting	Polyethylene Compound
Sheath	PVC, oil resisting	Polyethylene Compound
Colour of the sheath	light grey ¹	light grey ²
Dimensions	16.5x6mm	16.5x6mm
Weight	185g/m	185g/m
Fire load	0.583kWh/m	0.579kWh/m
No. of leads x cross-section	3x2.5mm ²	3x2.5mm ²
Copper conductors	tinned, highly flexible	tinned, highly flexible
Insulation of the leads	PVC	Flame retardant, vulcanized and halogen-free Polyethylene Compound
Colour of the leads	brown, green/yellow, blue	brown, green/yellow, blue
Test voltage	4kV/50Hz	4kV/50Hz
Rated voltage	0.6/1kV	0.6/1kV
DC-resistance	7.98Ω/km	7.98Ω/km
Packing unit	500m/1000m	500m/1000m

Accessories

		see page		see page
Connecting box	49687	5.2.13	49687	5.2.13
Connector	49695	5.2.14	49695	5.2.14
Cable end piece	49689	5.2.15	49689	5.2.15
Clamp	49693	5.2.15	49693	5.2.15
Cable stripping tool	49690	5.2.15	49690	5.2.15
Shears	49930	5.2.15	49930	5.2.15
Insulating tape	49960	5.2.15	49960	5.2.15

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

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

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Connecting box to flat cables No. 49685 and 49686

- for branching round or flat cable
- reverse polarity protection



Connecting box 3x2.5mm²
for supply and branching
no need to strip the insulation

No.

49687

150 701 407

Technical data

Weight	45g
Dimensions LxWxH	55x33x33mm
Fire load	0.24kWh
Plastic parts	light grey / transparent, halogen-free
Metal parts	corrosion-resistant
No. of leads x cross-section	3x2.5mm ²
Connecting capacity	Ø 3.75mm
Pointed screws	tightening torque 0.7Nm, Phillips-head screwdriver No. 1
Clamping screws	tightening torque 0.7Nm, Phillips-head screwdriver No. 1
Cross-section	2.5 mm ²
Rated voltage	250V
Max. rated current	16A
Packing unit	10 pce.
Degree of protection	IP20

ecoline P3 3G2.5mm²

connector to flat cables No. 49685 and 49686

5.2.14

- mounting without any tool by means of a lever
- for branching round or flat cable
- reverse polarity protection



Connector 3x2.5mm²
for branching
no need to strip the insulation

No.

49695

150 701 457

Technical data

Weight	85g
Dimensions LxWxH	90x30x34mm
Fire load	0.36kWh
Plastic parts	light grey / transparent, halogen-free
Metal parts	corrosion-resistant
No. of leads x cross-section	3x2.5mm ²
Connecting capacity	Ø 3.75mm
Clamping screws	tightening torque 0.7Nm, Phillips-head screwdriver No. 1
Cross-section	2.5mm ²
Rated voltage	250V
Max. rated current	16A
Packing unit	10 pce.
Degree of protection	IP20

Accessories

see page

Connector for branching with pre-wired Wieland connector	49696F	5.2.15
Connector for branching with pre-wired Ensto connector	49697F	5.2.16
Connector for branching with pre-wired Wago connector	49698F	5.2.16

Accessories

Cable end piece



49689
120 900 207

Of polycarbonate, halogen-free, transparent
Dimensions: 45x24.5x9mm
Weight: 6g
Fire load: 0.06kWh
Packing unit: 20 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.

5.2.15

Clamp for screw fixing



49693
120 008 607

Of polyamide 66, halogen-free, grey
Dimensions: 31x10x8.5mm
Weight: 0.95g
Fire load: 0.01kWh
Packing unit: 100 pce.

Cable stripping tool



49690
983 050 127

This tool offers the advantage of stripping neatly and easily the cable without damaging the insulation of the conductors.
Packing unit: 1 pce.

Note:
The cable has to be stripped at both ends for a distance of 19mm so that the conductors can be inserted properly in the end pieces.

Shears



49930
983 045 007

For cutting neatly and easily every type of flat cables (max. width 32mm).
With sliding anvil. Teflon coated blades.
Packing unit: 1 pce.

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.

Pre-wired connector



49696F

Pre-wired connector No. 49695
with 10cm round cable 3G1.5mm² and
3-pole Wieland connector, type GST 18i3 F B2 Z.

Accessories

Pre-wired connector

5.2.16



49697F

Pre-wired connector No. 49695 with 10cm round cable 3G1.5mm² and with 3-pole Ensto connector, type NAC32S.

Pre-wired connector



49698F

Pre-wired connector No. 49695 with 10cm round cable 3G1.5mm² and with 3-pole Wago connector type WINSTA.