



ecofil i

7G2.5mm²

The advantage of a higher protection degree and a wider field of application.



Branching base 7x2.5 mm² with pointed screws, No. 49611

- 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.
- Base fitted with contacts for the connection of one 7-pole connector.
- For branching flat cables.
- For rational installations it is recommended to use an electric screwdriver (Please observe the tightening torques!)

Connector 7-pole, 2.5mm², 16A, No. 49626.

- To be connected to branching base No. 49611.
- Connection of one round cable up to 7x2.5mm².
- For branching flat cables.

Connecting box 7x2.5mm², No. 49613.

- 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.
- Strands of round cable connected to screw terminals (up to 7x2.5mm²).
- For branching flat cables.
- For rational installations it is recommended to use an electric screwdriver (Please observe the tightening torques!)

Where are these flat cables used?

- for the industrial automation
- 5 conductors for supply voltage 3L+N+PE and 2 conductors for low voltage 24V/48V or control voltage 230VAC.

ecofil i 7G2.5mm²

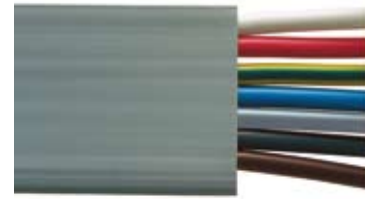
Flat cable 7G2.5mm²

5.2.68

- resistant flat cable with 7 leads
- for power distributors and control systems
- asymmetric flat cable to avoid reverse polarity



Flat cable of PVC, oil resisting
5L+N+PE



Flat cable halogen-free
5L+N+PE

No.

49600

113 288 780

49601

113 298 780

Technical data

	49600	49601
Sheath	PVC, oil resisting	Polyolefine, halogen-free
Colour of the sheath	light grey ¹	light grey ²
Dimensions	35x6mm	35x6mm
Weight	402g/m	401g/m
Fire load	1.31kWh/m	1.30kWh/m
No. of leads x cross-section	7x2.5mm ²	7x2.5mm ²
Copper conductors	tinned, highly flexible	tinned, highly flexible
Insulation of the leads	PVC	Polyethylene Compound, halogen-free low fire propagation
Colour of the leads	brown, black, grey, blue, green/yellow, red, white	brown, black, grey, blue, green/yellow, red, white
Test voltage	4kV, 50Hz	4kV, 50Hz
Rated voltage	0.6/1kV	0.6/1kV
Packing unit	500m/1000m	500m/1000m

Accessories

see page

see page

	49600	5.2.69	49601	5.2.69
Connecting box	49613	5.2.69	49613	5.2.69
Connecting base	49611	5.2.70	49611	5.2.70
Connector to connecting base	49626	5.2.70	49626	5.2.70
Cable end piece	49620	5.2.71	49620	5.2.71
Clamp	49731	5.2.71	49731	5.2.71
Cable stripping tool	49623	5.2.71	49623	5.2.71
Shears	49930	5.2.71	49930	5.2.71
Insulating tape	49632	5.2.71	49632	5.2.71

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

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

ecofil i 7G2.5mm²

Connecting box to flat cables No. 49600 and 49601

- suitable for numerous applications
- fulfills high expectations
- reverse polarity protection
- longitudinal connection



Connecting box 7x2.5mm²
for supply and branching without wire stripping
with 1 outlet M25x1.5

No.

49613

150 077 037

Technical data

Weight	350g
Dimensions LxWxH	172x57x60mm
Fire load	1.68kWh
Plastic parts	black, halogen-free
Metal parts	corrosion-resistant
No. of leads x cross-section	7x2.5mm ²
Connecting capacity	2.8x3.8mm
Pointed screws	tightening torque 0.7Nm, Phillips-head screwdriver No. 1
Clamping screws	tightening torque 0.7Nm, Phillips-head screwdriver No. 1
Cross-section	2.5mm ²
Rated voltage	250V/400V
Max. rated current	16A
Packing unit	5 pce.
Degree of protection	IP65

Accessories

see page

Cable glands	49628, 49629	5.2.90, 5.2.91
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ecofil i 7G2.5mm²

Connecting base and connector

5.2.70

- fulfills high expectations
- suitable for pre-wiring
- reverse polarity protection
- longitudinal branching



Connecting base 7x2.5mm²
to connector No. 49626



7-pole connector, 2.5mm², 16A
with 1 outlet M25x1.5
to connecting base No. 49611

No.

49611

150 077 437

49626

150 977 437

Technical data

Weight	200g	160g
Dimensions LxWxH	135x57x53mm	83x56x73mm
Fire load	0.83kWh	0.47kWh
Plastic parts	light grey, halogen-free	light grey, halogen-free
Metal parts	corrosion-resistant	corrosion-resistant
Pointed screws	tightening torque 0.7Nm, Phillips-head screwdriver No. 1	
Rated voltage	250V/400V	250V/400V
Max. rated current	16A	16A
Packing unit	5 pce.	5 pce.
Degree of protection	IP65	IP65

Accessories

see page

see page

Protection cover	49627	5.2.71		
Cable glands			49628, 49629	5.2.90, 5.2.91

Accessories

Cable end piece



49620
150 901 137

Of polycarbonate, halogen-free, transparent
IP65
Dimensions: 62x23x53mm
Weight: 32g
Fire load: 0.22kWh
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.

Cable fastening clamp



49731
120 008 107

Of polyamide 66, halogen-free, grey
Dimensions: 52x10x10mm
Weight: 2g
Fire load: 0.02kWh
Packing unit: 100 pce.

Cable stripping tool



49623
983 053 107

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



49632
150 901 147

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: 50mmx1m
Dielectric strength: max. 18kV/mm
Temperature: max. +70°C
Packing unit: 1 meter

Protection cover



49627
150 900 907

Cover IP65 to connecting base 49611
Fire load: 0.16 kWh
Packing unit: 5 pce.