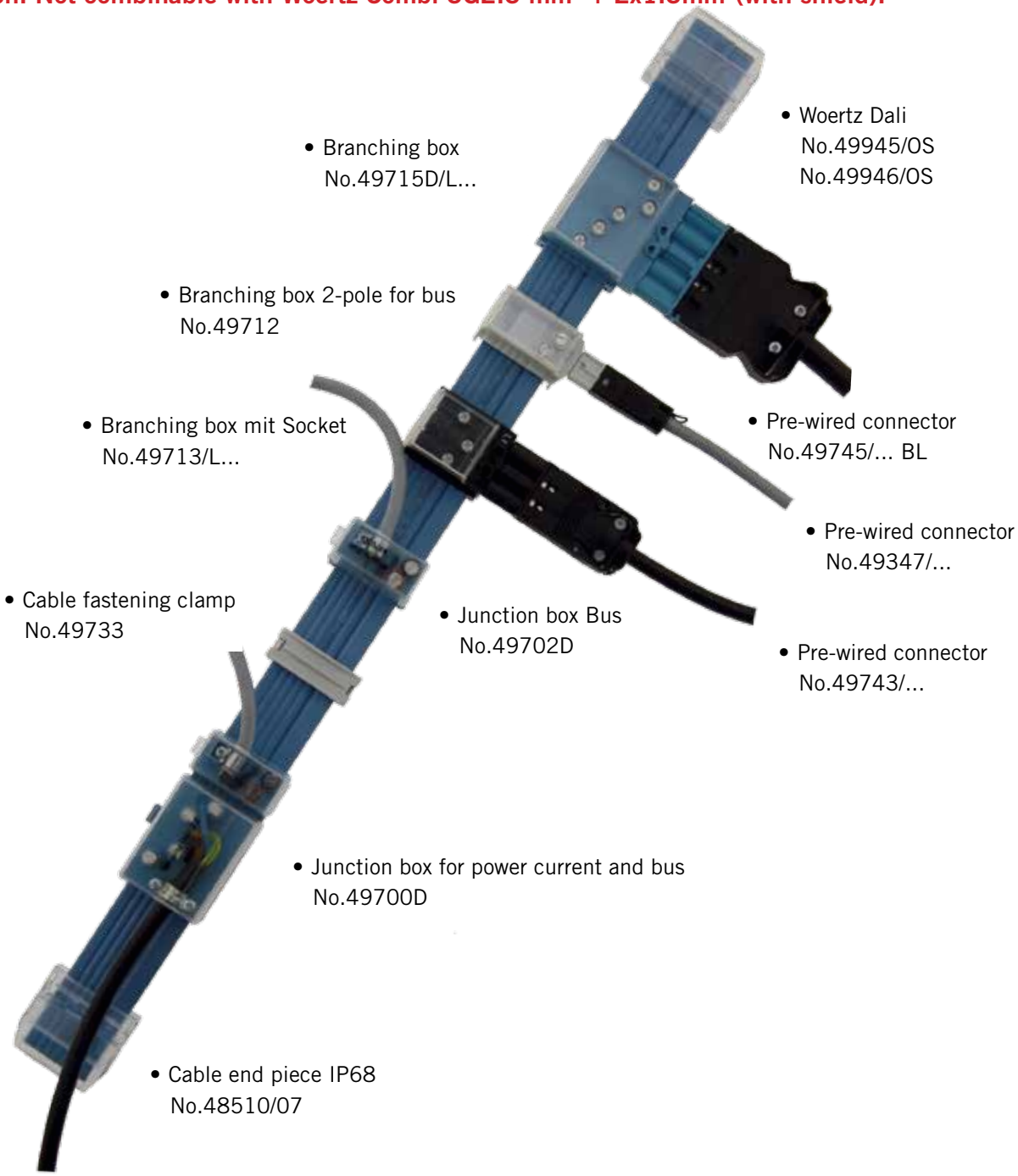
Woertz Dali
5G2.5 mm² + 2×1.5 mm²

Power current and data lines combined in one cable.

Attention: Not combinable with Woertz Combi 5G2.5 mm² + 2x1.5mm²(with shield).



Where are these flat cables used?
- in office buildings
- in hospitals, clinics and residential facilities
- in industrial buildings
- in hotels/restaurants

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

Woertz Dali 5G2.5 mm² + 2×1.5 mm²

Flat cable Woertz Dali 5G2.5 mm² + 2×1.5 mm²

	PVC		halogen-free	
	No.	Eldas-No.	**No.**	Eldas-No.
	49945/OS **without shield**	113 488 018	**49946/OS** **without shield**	113 488 118
3L+N+PE+2Bus				

Technical data			
Dimension	mm	32×6	32×6
Weight	g/m	350	340
Fire load	kWh/m	1.18	1.16
No. of leads x cross-section	mm²	5×2.5 + 2×1.5	5×2.5 + 2×1.5
Electrical properties			
Copper conductors		tinned, finely stranded	tinned, finely stranded
Insulation of the leads		PVC	flame retardant polyethylene
Colour of the leads		grey, black, brown, blue, yellow/green	grey, black, brown, blue, yellow/green
Cross-section	mm²	2.5	2.5
Coat insulation		PVC	flame retardant polyethylene
Test voltage	kV / Hz	4 / 50	4 / 50
Rated voltage	kV	0.6/1	0.6/1
DC-resistance	Ω/km	8.21	8.21
Max. operating temperature	°C	-15 to +70	-15 to +90
Min. Installation temperature	°C	+5	+5
Cu weight	kg/km	120	120
Bus part			
Copper conductors		tinned	tinned
Insulation of the leads		Polyethylene	Polyethylene
Colour of the leads		neutral	neutral
Cross-section	mm²	1.5	1.5
Coat insulation		PVC	flame retardant polyethylenee
Test voltage	kV / Hz	4 / 50	4 / 50
Rated voltage	V	50	50
DC-resistance	Ω/km	13.7	13.7
Capacitance	pF/m	70	70
Attenuation at 1Hz	dB/m	1.2	1.2
Charact. impedance at 1 MHz	nom Ω	nom. 75	nom. 75
Cu weight	kg/km	29	29

Woertz Dali 5G2.5 mm² + 2×1.5 mm²

Junction box with screw-type connection to flat cable No. 49945 / OS and 49946 / OS

Junction box 5-pole with bus

No.	Eldas-No.
49700D	150 780 137

Technical data

L×W×H mm	76×44×39
Weight g	86
Fire load kWh	0.47
Cross-section mm²	5×2.5+ 2×1.5
Connecting capacity Ø mm	3.75 + 3.2
Rated voltage V	690
Max. rated (Power) A	24
Rated voltage (bus) V	230
Degree of protection	IP20

Attention: Not combinable with Woertz Combi.

Supply and branching for power current part and bus part.
Compatible with DALI 230V system

Plastic parts:	halogen-free
Metal parts:	corrison-resistent
Packing unit pce.	50

Junction box 5-pole

No.	Eldas-No.
49701	150 775 037

Technical data

L×W×H mm	58×41×39
Weight g	55
Fire load kWh	0.33
Cross-section mm²	5×2.5
Connecting capacity Ø mm	3.75
Rated voltage V	690
Max. rated currend A	24
Packing unit pce.	50
Degree of protection	IP20

Supply and branching for power current part

Plastic parts: halogen-free
Metal parts: corrison-resistent

Tightening torque Nm	0.7
Cross recess no.	1

Junction box for bus

No.	Eldas-No.
49702D	150 780 037

Technical data

L×W×H mm	21×41×39
Weight g	23
Fire load kWh	0.14
Cross-section mm²	2×1.5
Connecting capacity Ø mm	3.2
Rated voltage Bus part V	230
Max. rated current A	17.5
Packing unit pce.	50
Degree of protection	IP20

Attention: Not combinable with Woertz Combi.

Supply and branching for bus part
Compatible with DALI 230V system

Plastic parts: halogen-free
Metal parts: corrison-resistent

Tightening torque Nm	1.0
Cross recess no.	3

Junction box

No.	Eldas-No.
49703	150 701 007

Technical data

L×W×H mm	96×60×23
Weight g	71.1
Fire load kWh	0.38
Spring clamp terminals per pole	2
Connecting capacity Ø mm	6-13
Rated voltage V	690
Max. rated current A	17.5
Cross-section mm²	(2×) 5×1.5
Plastic parts	halogen-free
Metal parts	corrosion-resistant
Packing unit pce.	50
Degree of protection	IP20

for supply and branching, no need to strip the insulation, flat execution 3P+N+PE

for two flexible round cable of PVC up to 5×1.5 mm² with end sleeves.

Tightening torque Nm	0.7
Screwdriver No.	1

Woertz Dali 5G2.5 mm² + 2×1.5 mm²

Branching box with socket to flat cable No. 49945 / OS und 49946 / OS

Branching box 3-pole		Technical data		
No.	Eldas-No.	LxWxH mm	34.5x57.5x25.7	Lateral connection
49713/L1	150 700 137	Weight g	40	
49713/L2	150 700 237	Fire load kWh	0.18	Plastic parts: halogen-free
49713/L3	150 700 117	Socket	Code 1	Metal parts: corrison-resistent
		Rated voltage V	250	
		Max. rated current A	16	Tightening torque Nm 0.7
		Packing unit pce.	50	Cross recess no. 1
		Degree of protection	IP20	
				Pre-wired connectoren see from page 86

Branching box 3-pole		Technical data		
No.	Eldas-No.	LxWxH mm	48x40x34	Longitudinal connection
49413/C	150 700 127	Weight g	55	
		Fire load kWh	0.32	Phase selection
		Socket	Code 1	Plastic parts: halogen-free
		Rated voltage V	250	Metal parts: corrison-resistent
		Max. rated current A	16	
		Packing unit pce.	25	Tightening torque Nm 0.7
		Degree of protection	IP20	Cross recess no. 1
				Pre-wired connectoren see from page 86

Branching box 5-pole		Technical data		
No.	Eldas-No.	LxWxH mm	54x57.5x25.7	Lateral connection
49715D/L1	150 783 037	Weight g	65	Combatible with DALI 230V System
49715D/L2	150 783 137	Fire load kWh	0.27	
49715D/L3	150 783 017	Socket	Code 2	Plastic parts: halogen-free
		Rated voltage V	250/400	Metal parts: corrison-resistent
		Max. rated current A	16	
		Packing unit pce.	50	Tightening torque Nm 0.7
		Degree of protection	IP20	Cross recess no. 1
		Attention: Not compatible with with Woertz Combi.		*Pre-wired connectoren see from page 86*

Branching box 2-pole for bus		Technical data		
No.		LxWxH mm	27x57.5x25.7	Lateral connection
49712		Weight g	18	
		Fire load kWh	0.12	Plastic parts: halogen-free
		Socket	Code Woertz	Metal parts: corrison-resistent
		Rated voltage V	50	
		Max. rated current A	3	Tightening torque Nm 1.0
		Packing unit pce.	50	Cross recess no. 3
		Degree of protection	IP20	
				Pre-wired connectoren see from page 86

Branching box 2-pole for bus		Technical data		
No.	Eldas-No.	LxWxH mm	44x39.5x28	Longitudinal connection
49727/C	150 707 337	Weight g	19	
		Fire load kWh	0.12	Plastic parts: halogen-free
		Socket	Code Woertz	Metal parts: corrison-resistent
		Rated voltage V	50	
		Max. rated current A	3	Tightening torque Nm 1.0
		Packing unit pce.	50	Cross recess no. 3
		Degree of protection	IP20	
				Pre-wired connectoren see from page 86

Branching box 5-pole		Technical data		
No.	Eldas-No.	LxWxH mm	27x57.5x25.7	lateral connection
49715	150 700 337	Weight g	18	
		Fire load kWh	0.12	Plastic parts halogen-free
		Socket	code Woertz	Metal parts corrosion-resistant
		Rated voltage V	50	
		Max. rated current A	3	Tightening torque Nm 0.7
		Packing unit pce.	50	screwdriver No. 1
		Degree of protection	IP20	
				Pre-wired connectors see from page 86

Woertz Dali 5G2.5 mm² + 2×1.5 mm²

Accessories

Cable end piece		**Technical data**		
No.	Eldas-No.	L×W×H mm	40×44×16	of polycarbonate, halogen-free; silicone gel
48510/07	120 900 607	Weight g	16.8	
		Fire load kWh	n.a.	Note:
		Packing unit pce.	4	Cut neatly both ends of the cable before mounting the end pieces. No need to strip the cable.
		Degree of protection	IP68	Cable end piece may only be mounted once.

Cable fastening clamp		**Technical data**		
No.	Eldas-No.	L×W×H mm	52×10×10	of polyamide 6.6, halogen-free
49731	120 008 107	Weight g	2	
		Fire load kWh	0.02	
		Packing unit pce.	100	

Clamp for screwing on		**Technial data**		
No.	Eldas-No.	L×W×H mm	40×15×15	**49733** for screwing on
49733	150 900 117	Weight g	3.7	**49733A** for sticking on
49733A	150 900 107	Fire load kWh	0.03	
		Packing unit pce.	100	of polyamide 6.6, halogen-free

Shears		**Technical data**		
No.	Eldas-No.	Weight g	223	For cutting neatly and easily every type of flat cables (max. width 32mm).
49930	983 045 007	Packing unit pce.	1	
				With sliding anvil. Teflon coated blades.

Insulating tape		**Technical data**		
No.	Eldas-No.	L×W×H mm	102×100×2.3	To reinsulate correctly the holes due to pointed screws or cutting teeth when removing or displacing connections.
49960	171 013 004	Weight g	33	
		Dielectric strength max. kV/mm	23	
		Temperature max. °C	+70	
		packing unit pce.	10	Weatherproof, self-fusing

Spacer with clips		**Technical Data**		
No.	Eldas-No.	Packing unit pce.	10	Suitable for connecting boxes for lighting installations
49738	150 901 017			
				To fix the boxes on a surface.