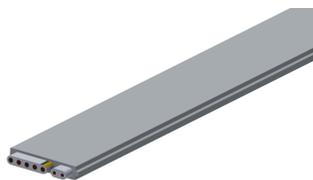# woertz⟨Q⟩

Product data sheet

49864/FRNC - Flat cable Dali IP 5G2.5²+2x1.5² HF GY

Flat cable Woertz Dali IP 0.6/1.0kV, 5x2.5+2x1.5mm², for piercing contact in accordance with EN 60998-2-3, halogen free, FRNC/LSOH, light gray, 3LNPE+Bus, reaction to fire class: B2ca s1a d0 a1

Characteristics	
ELDAS® number	113398009
Base Unit	Meter
availability	available from stock
EAN Code	7611718257667
group	0170000
Packaging unit	1 m
country of origin	CH
Customs tariff number	8544.4992
Weight	380 g
Copper weight (g)	148,800 g

Technical data	
Construction	5x2.5+2x1.5 mm²
Dimensions width x height (mm)	33x6 mm
Halogen free	Yes
Cable type	Halogen free flat cable

Product data sheet

49864/FRNC - Flat cable Dali IP 5G2.5²+2x1.5² HF GY

International designation	N1Z1Z1H2-K
Reaction to fire classification	B2ca s1a d0 a1
Fire behavior	Cables with non-critical behavior (according to VKF 14-15)
Cross section (mm²)	2.5 mm²
Copper conductor	Tinned, flexible KL5 EN60228
Conductor resistance (ohm/km)	8,21 ohm/km
cores insulation	Flame retardant polyolefin
Cross section -BUS (mm²)	1,5 mm²
BUS-Copper conductor	Tinned, flexible KL5 EN60228
BUS-Conductor resistance (ohm)	13,7 ohm
BUS-Cores insulation	Polyolefin
BUS-Cores colors	Nature
BUS-Screen	Without
Sheat insulation	Polyolefin flame retardant
Sheath color	Light gray
Minimum bending radius	6xH
Operating Temperature	-25 till 90 °C
Installation temperature min.	5 °C
Nominal voltage (VAC)	600/1000 VAC
Test voltage	4 kV/50Hz
BUS-Rated voltage (V)	300 V

Product data sheet

49864/FRNC - Flat cable Dali IP 5G2.5²+2x1.5² HF GY

BUS-Test voltage	4 kV/50Hz
BUS-capacity (pF/m)	70 pF/m pF/m
Fire load (kWh/m)	1,29
Halogen free acc. to	IEC/EN60754-1/2
Flame retardant according to	IEC/EN60332-1-2
Minimal smoke emision acc. to	IEC/EN 61034-2
Low fire propagation acc. To	IEC/EN 60332-3-24

Product accessories

49731 - Cable clamps FC comb/pow/DALI/7 PA GY 1

Cable clamps Woertz Flat cable combi/power/Dali/7x(>,)> PA, gray, 1 fastening.

49960 - Insulating pad for flat cable

Insulating tape for flat cable 102x100x2.3 mm, for the proper insulation of the piercing holes of connection boxes, e.g. when relocating or removing them; weather-resistant, cold self-vulcanizing.

48510/07 - End piece FC 32x6mm PC TR IP68

End piece Woertz , for Flat cable 32x6mm(>,)> Combi/Dali/Dali IP(>,)> polycarbonate transparent(>,)> halogen-free, IP68, with silicone gel.

49386 E90 - Cable clamps FC E90 vertical 23-37/6-8 A

Cable clamps Woertz Flat cable E90 for vertical installation 23-37/6- 8mm, in stainless steel V4A, rollers made of ceramic insulation

49935 - Cutting shears up to 6 mm²

Woertz flat cable shears up to 5x6 mm² (with higher force up to 5x16 mm²)

48116/L1/5C2/S - Quick-connection Box IP68 for FC Dali IP 5x2,5+2x1,5mm² 5P(Bus)

Quick-connection Box-outgoing box Woertz IP68, 5-pole(Bus), LNPE+Bus (L1), with socket Code 2, for flat cable Woertz Dali IP 5x2,5+2x1,5mm², with fastening possibility, halogen-free, corrosion-protected

48116/L2/5C2/S - Quick-connection Box IP68 for FC Dali IP 5x2,5+2x1,5mm² 5P(Bus)

Quick-connection Box-outgoing box Woertz IP68, 5-pole(Bus), LNPE+Bus (L2), with socket Code 2, for flat cable Woertz Dali IP 5x2,5+2x1,5mm², with fastening possibility, halogen-free, corrosion-protected

48116/L3/5C2/S - Quick-connection Box IP68 for FC Dali IP 5x2,5+2x1,5mm² 5P(Bus)

Quick-connection Box-outgoing box Woertz IP68, 5-pole(Bus), LNPE+Bus (L3), with socket Code 2, for flat cable Woertz Dali IP 5x2,5+2x1,5mm², with fastening possibility, halogen-free, corrosion-protected

48116/L1/3C1/S - Quick-connection Box IP68 for FC Dali IP 5x2,5+2x1,5mm² 3P C1 L1

Quick-connection Box-outgoing box Woertz IP68, 3-pole, LNPE(L1), with socket Code 1, for flat cable Woertz Dali IP 5x2,5+2x1,5mm², with fastening possibility, halogen-free, corrosion-protected

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48116/L2/3C1/S - Quick-connection Box IP68 for FC Dali IP 5x2,5+2x1,5mm² 3P C1 L2

Quick-connection Box-outgoing box Woertz IP68, 3-pole, LNPE(L2), with socket Code 1, for flat cable Woertz Dali IP 5x2,5+2x1,5mm², with fastening possibility, halogen-free, corrosion-protected

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48116/L3/3C1/S - Quick-connection Box IP68 for FC Dali IP 5x2,5+2x1,5mm² 3P C1 L3

Quick-connection Box-outgoing box Woertz IP68, 3-pole, LNPE(L3), with socket Code 1, for flat cable Woertz Dali IP 5x2,5+2x1,5mm², with fastening possibility, halogen-free, corrosion-protected

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48116/5C1/S - Quick-connection Box IP68 for FC Dali IP 5x2,5+2x1,5mm² 5P C1

Quick-connection Box-outgoing box Woertz IP68, 5-pole , 3LNPE, with socket Code 1, for flat cable Woertz Dali IP 5x2,5+2x1,5mm², with fastening possibility, halogen-free, corrosion-protected

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Product systems

Flat cable system Dali IP 5G2.5 2x1.5 mm² (IP66/68)

This flexible system combines power current and Dali bus line in one cable application. Due to the high IP protection degree IP66/68 this system is suitable in environments with high humidity, dust and oil and is therefore often used in tunnels, in civil engineering, in industrial plants, workshops and joineries, as well as outdoors for parking lot lighting, events and open airs.