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Product data sheet

49863/FRNC - Flat cable power IP 5G2.5mm² HF GY 2.0

Flat cable Woertz Ecobus Power IP 5x2.5mm², 3LNPE, halogen free, conductor stranded copper bare, with a common core for all cores, protective conductor marked yellow/green on the core, rated voltage 0.6/1 kV, test voltage 4 kV, new profiling with smooth surface for IP68 flat cable boxes, compatible fixing material, new end pieces, VDE approved, sheath copolymer, thermoplastic, FR/LS0H, reaction to fire class B2ca s1 d0 a1, light grey, conductor white except PE.

Characteristics	
Eldas number	113398024
Base Unit	Meter
availability	available from stock
EAN Code	7611718252013
group	170000
Packaging unit	-
country of origin	CH
Customs tariff number	854449
Weight (g)	247 g
Copper weight (g)	120 g
Technical data	
Construction (mm²)	5x2.5 mm²
Dimensions width x height (mm)	25x6 mm
Halogen free	Yes

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Cable type	Halogen free flat cable
International designation	N1Z1Z1H2-K
Reaction to fire classification	B2ca s1 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
Sheat insulation	Polyolefin flame retardant
Sheath color	Light gray
Minimum bending radius	6xH
Operating Temperature (°C)	-25 till 90 °C
Installation temperature min. (°C)	5 °C
Nominal voltage (VAC)	600/1000 VAC
Test voltage	4 kV/50Hz
Fire load (kWh/m)	0,8
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

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Product accessories

	49731 - Fastening clamp FC combi / power to screw on
	49733 - Fastening clamp FC combi / power Cable clamp screw-on, for flat cable power 5G2.5 mm²
	49960 - Insulating pad for flat cable Scotch 2210
	48510/08 - Cable end piece for FK power IP 5G2.5mm² FE180 3G2.5mm² IP68 Cable end piece for flat cable power IP68 and FE180 3/5G
	49733A - Fastening clamp FC combi / power Glue Cable clamp for gluing, for flat cable power 5G2.5 mm²
	49735 - Cable clamp for FK power 5G2.5 mm² V2A null
	49386 E90 - Riser clamp E90 Max. Bride load: 50kg. For Woertz fire safety flat cable: Woertz FE180 3G2.5 and 4 mm², Woertz FE180 5G2.5, 4 6 mm². For Woertz flat cable: Woertz Technofil 5G2.5 1.5 mm², Woertz power 5G2.5 mm², Woertz Power IP 5G2.5 mm² 6 mm², Woertz combi 5G2.5 mm² 2x1.5 mm², Woertz Dali IP 5G2.5 mm² 2x1.5 mm², Woertz Dali 3/5G2.5 mm² 2x1.5 mm², Woertz 5G4 mm², Woertz 7G2.5 mm².
	49935 - Cutting shears up to 6 mm² Woertz flat cable shears up to 5x6 mm² (with higher force up to 5x16 mm²)
	48110/L1/3C1/S - Quick connect box FK Power 5G2.5 IP68 L1 (3P, C1) Quick connection outlet box IP68 with 3-pole socket Code1, allocationL1-N-PE, 250V 20A, for flat cable Art.49863/FRNC.
	48110/L2/3C1/S - Quick connect box FK Power 5G2.5 IP68 L2 (3P, C1) Quick connection outlet box IP68 with 3-pole socket Code1, allocationL2-N-PE, 250V 20A, for flat cable Art.49863/FRNC.

49863/FRNC - Flat cable power IP 5G2.5mm² HF GY 2.0

48110/L3/3C1/S - Quick connect box FK Power 5G2.5 IP68 L3 (3P, C1)

Quick connection outlet box IP68 with 3-pole socket Code1, assignmentL3.-N-PE, 250V 20A, for flat cable Art.49863/FRNC.

48110/5C1/S - Quick connection box FK Power 5G2.5 IP68 3L (3P, C1)

Quick connection outlet box IP68 with 5-pole socket code1, allocation3L-N-PE, 250/400V 20A, for flat cable Art.49863/FRNC.

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Product systems

Flat cable system Power IP 5G2.5 mm² (IP66/68)

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.