



Product data sheet

48280/FRNC/OS - Flat cable DALI 3G2.5mm²+2x1.5mm² HF BU 2.0



Flat cable Woertz 3x2.5mm² 2x1.50mm² FR/LS0H, sky blue LNPE for DALI

Characteristics	
Eldas number	113388008
Base Unit	Meter
availability	available from stock
EAN Code	7611718271632
group	1110200
Packaging unit	-
country of origin	CH
Customs tariff number	854449
Weight (g)	251 g
Copper weight (g)	101 g
Technical data	
Construction (mm ²)	3x2.5+2x1.5 mm ²
Dimensions width x height (mm)	24.2x6 mm
Halogen free	Yes
Cable type	Halogen free flat cable



Product data sheet

48280/FRNC/OS - Flat cable DALI 3G2.5mm²+2x1.5mm² HF BU 2.0

Reaction to fire classification	B2ca s1 d0 a1
Fire behavior	Cables with non-critical behavior (according to VKF 14-15)
Cross section (mm ²)	2.5 mm ²
Copper conductor	Tinned, flexible KL5 EN60228
Conductor resistance (ohm/km)	8,21 ohm/km
cores insulation	Flame retardant polyolefin
Cross section -BUS (mm ²)	1,5 mm ²
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	Pastel blue
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
BUS-Rated voltage (V)	300 V
BUS-Test voltage	4 kV/50Hz



Product data sheet

48280/FRNC/OS - Flat cable DALI 3G2.5mm²+2x1.5mm² HF BU 2.0

Fire load (kWh/m)	1,79
Halogen free acc. to	IEC/EN60754-1/2
Flame retardant according to	IEC/EN60332-1-2
Minimal smoke emission acc. to	IEC/EN 61034-2
Low fire propagation acc. To	IEC/EN 60332-3-24



Product data sheet

48280/FRNC/OS - Flat cable DALI 3G2.5mm²+2x1.5mm² HF BU 2.0

Product accessories



48510/05 - End piece Technofil / Power/Dali 3P IP68

Cable end piece IP68 for flat cable Technofil 5G2.5 mm², Power 5G2.5 mm² and DALI 3G2.5 mm² 2x1.5 mm².



49731 - Fastening clamp FC combi / power

to screw on



49733A - Fastening clamp FC combi / power Glue

Cable clamp for gluing, for flat cable power 5G2.5 mm²



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



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)



48103/L1/3C1/S - Quick connection box FK DALI 3G Bus (3P, C1)

IP20/IP40 quick-connect outlet box, with 3-pole socket, code 1, L-N-PE occupancy, 250V, 20A, for flat cable art. 48280.



48103/5C2/S - Quick connection box FK DALI 3G Bus (5P, C2)

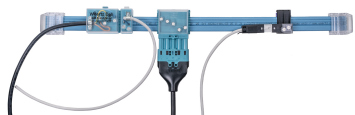
IP20/IP40 quick-connect outlet box, with 5-pin code 2 socket (DALI), L-N-PE-D1-D2 occupancy, 250V, 20A, for flat cable art.48280.



Product data sheet

48280/FRNC/OS - Flat cable DALI 3G2.5mm²+2x1.5mm² HF BU 2.0

Product systems



Flat cable system Dali 3G2.5 2x1.5 mm²

This flexible system combines power current and Dali bus line in one cable application and is the basis for decentralized lighting control. The application areas are office and public buildings, industrial buildings, hotels but also modular buildings with a high degree of prefabrication.

