

Every connection you need where you need it...
Hard conditions don't affect products with a high IP protection degree...

- Quick junction box IP68
No. 48785/L/68



- Quick junction box IP68 with fastening possibility for secure mounting
No. 48785/L/68/S

Where are these flat cables used?

- In installations related to stringent requirements. Its high protection degree allows this system to be used in tunnels, where many connections have to be made. Thanks to the rapid installation substantial time savings will be performed.
- Flexibility and robustness make the system ideal for building constructions, public works and open cast works in both construction and exploitation phases.
- In industrial washing plants, car wash sites or cleaning installations for tunnels or underground parking where powerful jets of water are used.
- The reliable components also suit outdoor applications such as market places, trade fairs and openair events.
- IP66/68 allows not only the use in wet but also in dusty environment. The system therefore suits workshops, joineries or industrial plants.
- No need to seal the connecting boxes or to sever the cable, new potential sources of errors are thus avoided.

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

Woertz power IP 5G6 mm²



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flat cable IP 5G6 mm²

PVC		halogen-free	
No.	Eldas-No.	No.	Eldas-No.
		48780/FRNC	
		<p>3L+N+PE</p>	

Technical data			
Dimensions	mm		32x7,5
Weight	g/m		510
Fire load	kWh		1.8
No. of leads x cross-section	mm ²		5x6

High current part			
Copper conductors			tinned, class 5
Insulation of the leads			vulcanized, flame retardant polyethylene
Colour of the leads			grey, black, green/yellow, blue, brown
Cross-section	mm ²		6
Test voltage	kV / Hz		4 / 50
Rated voltage	kV		0.6/1
DC-resistance	Ω/km		3.39
Cu weight	kg/km		288

Junction box		Technical data	
No. 48781 / 65 		LxWxH mm	122x120x90 (without cable gland)
			Plastic parts: halogen-free Metal parts: corrosion-resistant
		Max. rated current	32
		Test voltage kV/Hz	4/50
		Rated voltage V/Hz	690/50
		Degree of protection	IP65
		Fire load kWh	4.08
		Packing unit pce.	1
		IP68 on request	






Flat cable boxes for IP68 application

Feeding and branching box

Box		Technical data		
No. 48785/L/68 	Eldas-No.	LxWxH without cable gland mm	155x50x55	may be mounted without any tool
		LxWxH with fastening facility mm	155x75x55	Thread of cable glands: M20x1.5
		Fire load kWh	0.74	
		Fire behaviour	UL 94-V0	Fastening facility by means of screws and cable ties
		Connecting capacity mm	3.0x3.5	
		Cross-section mm	2.5	
		Cross-section with Litzenhülse mm	4	
		Rated voltage V/Hz	400/50	
		Test voltage V/Hz	4 / 50	
		Test current power max. A	24	
		Weight g	210	
		Packing unit pce.	1	
	Degree of protection	IP65/IP68 (2m, 30min)		

fastening facility:
48785/L/68/S

Accessories

<p>Heat-shrinkable end cap</p> <p>No. 48511/24</p> 	<p>Technical data</p> <p>LxØ mm 77x26</p> <p>Weight g 10.6</p> <p>Packing unit pce. 5</p> <p>Degree of protection IP68</p>	<p>Provided with adhesive and sealing compound inside</p> <p>Note: Cut neatly both ends of the cable before mounting the end pieces. No need to strip the cable may only be mounted once.</p>
<p>Cable clamp for screwing on</p> <p>No. 49981 Eldas-No. 120 009 007</p> 	<p>Technical data</p> <p>LxWxH mm 32x15x8</p> <p>Weight g 1.5</p> <p>Fire load kWh 0.01</p> <p>Packing unit pce. 500</p>	<p>for cable fastening of polyamide 6.6, halogen-free</p>
<p>Shears</p> <p>No. 49930 Eldas-No. 983 045 037</p> 	<p>Technical data</p> <p>Weight g 223</p> <p>Packing unit pce. 1</p>	<p>For cutting neatly and easily every type of flat cables (max. width 32mm).</p>
<p>Insulating tape</p> <p>No. 49632 Eldas-No. 150 901 147</p> 	<p>Technical data</p> <p>LxWxH mmxm 50x1</p> <p>Weight g 50.1</p> <p>Dielectric strength max. kV/mm 18</p> <p>Temperature max. +70 °C</p> <p>Packing unit m 1</p>	<p>To reinsulate correctly the holes due to pointed screws or cutting teeth when removing or displacing connections.</p> <p>Weatherproof, self-fusing.</p>
<p>Cable glands</p> <p>No. 48560/03/M20 Eldas-No. 121 682 607</p> <p>48560/05/M20 Eldas-No. 121 682 617</p> 	<p>Technical data</p> <p>Diameter of cables mm 8.0-11.0 11.0-15.0</p> <p>Packing unit pce. 5</p>	<p>of polyamide, grey M20x1.5</p> <p>delivered with O-ring seal of NBR halogen-free</p>