

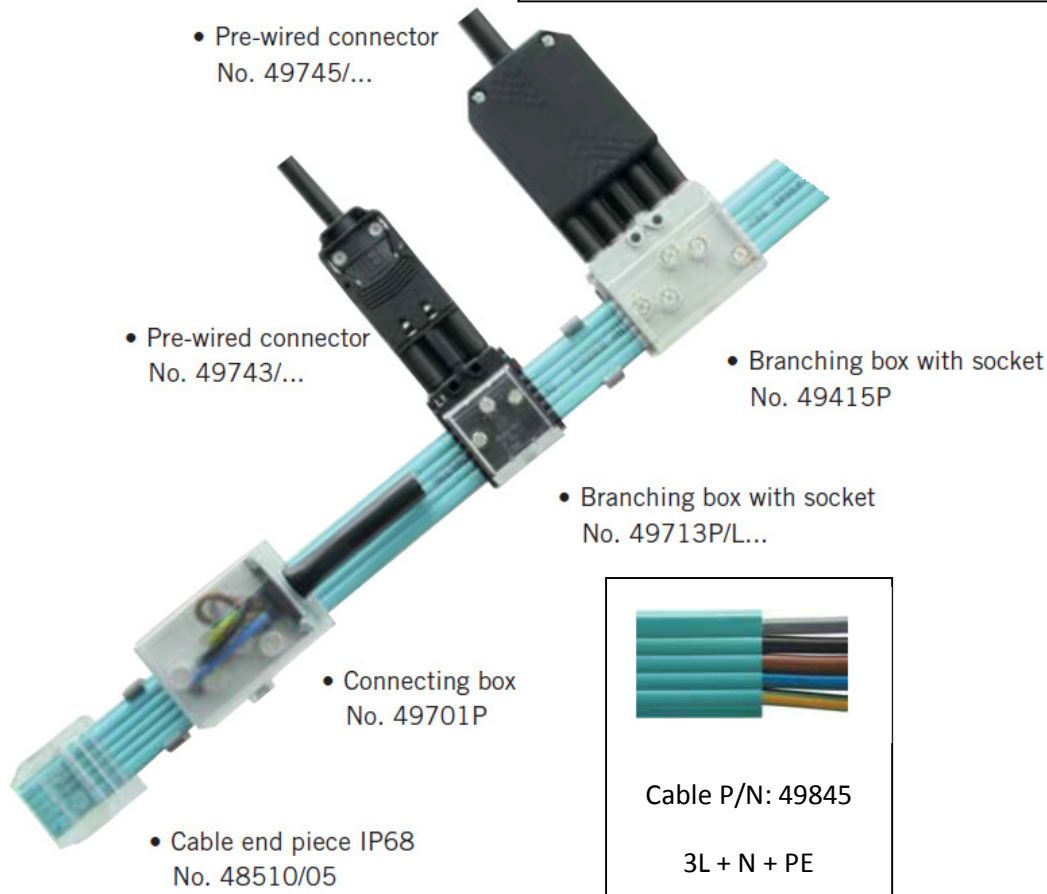
Electrotech

Tel: (215) 997-8855

www.esgllc-usa.com

Flexible Power Bus

For Conveyor Applications



Woertz's Flexible Power Bus is well suited for feeding power along a conveyor line. The flat cable seen above has 5 conductors (3L + N + PE) and can be used in 1-phase or 3-Phase applications. The cable is rated for 20 Amps / 600V. Feed-in and junction boxes are quickly connected anywhere along the length of the cable without cutting the cable. The Woertz connection boxes are keyed and energized with insulation displacement screws.

This Power Bus System will reduce the amount of wire used and can power multiple devices along the conveyor line - motor control junction boxes, sensors, lights, etc. The equipment can be bought individually or as a "KIT" with defined cable lengths and pre-wired feed-in and junction boxes.

Other cable sizes are available. Please contact Electrotech to learn more sales@esgllc-usa.com


Electrotech

Tel: (215) 997-8855

www.esglc-usa.com

Woertz power 5G2.5 mm²

flat cable 5G2.5 mm²

		PVC		halogen-free	
		No.	Eldas-No.	No.	Eldas-No.
		49845	113 383 804	49846	113 383 904
		49845RT		49846GR	
		49845SW		49846RT	
		49845WS		49846SW	
		49845/SM*	113 383 814	49846WS	
3 L+N+PE		* on request		49846/SM* 113 383 954	
Technical data					
Dimension	mm	24x6		24x6	
Weight	g/m	259		247	
Fire load	kWh/m	0.778		1.28	
No. of leads x cross-section	mm ²	5x2.5		5x2.5	
Power current part					
Copper conductors		tinned, highly flexible		tinned, highly flexible	
Insulation of the leads		PVC		vulcanized, and flame retardant polyethylene	
Colour of the leads		grey, black, brown, blue, green/yellow		grey, black, brown, blue, green/yellow	
Cross-section	mm ²	2.5		2.5	
Test voltage	kV / Hz	4 / 50		4 / 50	
Rated voltage	kV	0.6/1		0.6/1	
DC-resistance	Ω/km	7.98		7.98	
Cu weight	kg/km	120		120	

Connecting box to flat cable No. 49845 and 49846

Connecting box		Technical data			
No.	Eldas-No.	LxWxH mm			
49701P	150 776 037	58x41x39	0.33	with screw-type connection	
		5x2.5	3.75	for supply and branching no need to strip the insulation	
		690	16	Plastic parts: halogen-free	
		50	50	Metal parts: corrosion-resistant	
		IP20	0.7	tightening torque Nm (Pointed screws)	
			1	screwdriver No.	
			0.7	tightening torque Nm (Clamping screws)	
			1	screwdriver No.	

Branching box with socket		Technical data			
No.	Eldas-No.	LxWxH mm			
49713P/L1	150 710 137	34.5x57.5x25.7	0.18	3-pole	
49713P/L2	150 710 237	socket	type GST18i3	lateral connection	
49713P/L3	150 710 117		code 1		
		250	16	Plastic parts: halogen-free	
		50	50	Metal parts: corrosion-resistant	
		IP20	0.7	tightening torque Nm	
			1	screwdriver No.	

Pre-wired connectors see page 78

Branching box with socket		Technical data			
No.	Eldas-No.	LxWxH mm			
49715P	150 710 337	54x57.5x25.7	0.27	5-pole	
		socket	type GST18i5	lateral connection	
			code 1		
		250/400	16	Plastic parts: halogen-free	
		50	50	Metal parts: corrosion-resistant	
			0.7	tightening torque Nm	
			1	screwdriver No.	

- UL pending