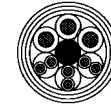


INTERBUS

1/1

Cable for fieldbus connection (Remote installation bus)

Data sheet



Signal	Plug 9 poles (M23)	Socket 9 poles (M23)	Color
DO	Pin 1	Pin 1	yellow (0.25 mm ²)
$\overline{\text{DO}}$	Pin 2	Pin 2	green (0.25 mm ²)
DI	Pin 3	Pin 3	grey (0.25 mm ²)
$\overline{\text{DI}}$	Pin 4	Pin 4	pink (0.25 mm ²)
earth	Pin 5	Pin 5	brown (0.25 mm ²)
PE	Pin 6	Pin 6	green/yellow (1 mm ²)
DC 24 V	Pin 7	Pin 7	red (1 mm ²)
0 V	Pin 8	Pin 8	blue (1 mm ²)
screen	Pin 9 casing	- casing	screen braiding

Description	Item-No.	Pack.-unit pcs																																																																				
Remote installation bus cable, M23 both ends are fitted, plug/socket	755-322/000-xxx *	1																																																																				
Remote installation bus cable, not fitted	755-321/000-xxx *	1																																																																				
* xxx = Cable length given in m																																																																						
Identification: Li9Y-Li12Y-VL-C-11Y 3 x(2 x 0.25)+3 x 1.00 Additional characteristics: <ul style="list-style-type: none"> Suitable for drag chains Inflammability acc. to DIN VDE 0472-804 test type B Good resistance to oil, chemicals, hydrolysis and microbes Meets INTERBUS specification 	Technical Data <table border="1"> <tr> <td>Structure:</td> <td>Power supply</td> </tr> <tr> <td>Conductor</td> <td>1.00 mm² (AWG17) very fine wires acc. to VDE 0295 KL6</td> </tr> <tr> <td>Insulation of lead</td> <td>PETE</td> </tr> <tr> <td>Colors of the leads</td> <td>green/yellow; blue; red</td> </tr> <tr> <td></td> <td>Data line (paired)</td> </tr> <tr> <td>Conductor</td> <td>0.25 mm² (AWG24) very fine wires acc. to VDE 0295 KL6</td> </tr> <tr> <td>Insulation of lead</td> <td>PP</td> </tr> <tr> <td>Colors of the leads</td> <td>green+yellow; white+brown; grey+pink</td> </tr> <tr> <td colspan="2">General Data:</td> </tr> <tr> <td>Screening</td> <td>C-Screen tinned, coverage ca.85 %</td> </tr> <tr> <td>Outer jacket</td> <td>PUR dull, Ø 9.0^{+0.6} mm color: violet RAL 4008</td> </tr> <tr> <td colspan="2">Electrical data:</td> </tr> <tr> <td colspan="2">Power supply</td> </tr> <tr> <td>Nominal voltage</td> <td>≤ 900 V</td> </tr> <tr> <td>Test voltage</td> <td>2.5 kV_{rms}</td> </tr> <tr> <td>Resistor of conductor</td> <td>≤ 19.5 Ω/km</td> </tr> <tr> <td>Insulation resistance</td> <td>≥ 1.8 x 10¹² Ω/cm</td> </tr> <tr> <td colspan="2">Electrical data:</td> </tr> <tr> <td colspan="2">Data line</td> </tr> <tr> <td>Nominal voltage</td> <td>≤ 500 V</td> </tr> <tr> <td>Test voltage</td> <td>1.2 kV_{rms}</td> </tr> <tr> <td>Resistor of conductor</td> <td>≤ 79.9 Ω/km</td> </tr> <tr> <td>Insulation resistance</td> <td>≥ 10¹⁶ Ω/cm</td> </tr> <tr> <td>Operating capacity</td> <td>max. 60 nF/km 800 Hz (strand/strand)</td> </tr> <tr> <td>Wave impedance</td> <td>120 Ω ± 20 % f=0.064 MHz 100 Ω ± 15 % f>1 MHz</td> </tr> <tr> <td colspan="2">Mechanical data:</td> </tr> <tr> <td>Characteristic</td> <td>Suitable for drag chains</td> </tr> <tr> <td>Min. bending radius</td> <td>90 mm</td> </tr> <tr> <td>Temperature range</td> <td></td> </tr> <tr> <td>static</td> <td>-30 °C ...+80 °C</td> </tr> <tr> <td>moved</td> <td>-10 °C...+80 °C</td> </tr> <tr> <td colspan="2">Accessories for 755-321:</td> </tr> <tr> <td>M23-INTERBUS plug</td> <td>Item-No.: 755-831</td> </tr> <tr> <td>M23-INTERBUS socket</td> <td>Item-No.: 755-832</td> </tr> </table>		Structure:	Power supply	Conductor	1.00 mm ² (AWG17) very fine wires acc. to VDE 0295 KL6	Insulation of lead	PETE	Colors of the leads	green/yellow; blue; red		Data line (paired)	Conductor	0.25 mm ² (AWG24) very fine wires acc. to VDE 0295 KL6	Insulation of lead	PP	Colors of the leads	green+yellow; white+brown; grey+pink	General Data:		Screening	C-Screen tinned, coverage ca.85 %	Outer jacket	PUR dull, Ø 9.0 ^{+0.6} mm color: violet RAL 4008	Electrical data:		Power supply		Nominal voltage	≤ 900 V	Test voltage	2.5 kV _{rms}	Resistor of conductor	≤ 19.5 Ω/km	Insulation resistance	≥ 1.8 x 10 ¹² Ω/cm	Electrical data:		Data line		Nominal voltage	≤ 500 V	Test voltage	1.2 kV _{rms}	Resistor of conductor	≤ 79.9 Ω/km	Insulation resistance	≥ 10 ¹⁶ Ω/cm	Operating capacity	max. 60 nF/km 800 Hz (strand/strand)	Wave impedance	120 Ω ± 20 % f=0.064 MHz 100 Ω ± 15 % f>1 MHz	Mechanical data:		Characteristic	Suitable for drag chains	Min. bending radius	90 mm	Temperature range		static	-30 °C ...+80 °C	moved	-10 °C...+80 °C	Accessories for 755-321:		M23-INTERBUS plug	Item-No.: 755-831	M23-INTERBUS socket	Item-No.: 755-832
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