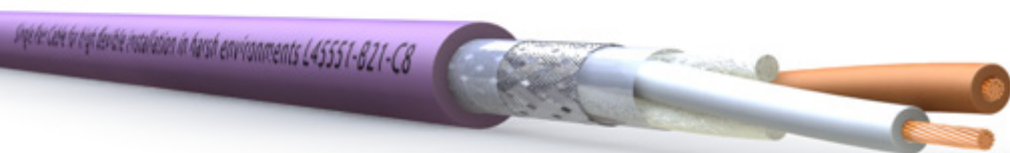


CAN Bus Single Pair Cable for high flexible installation in harsh environments



Formation	Part Number	Ø - Outer Jacket (mm)	Weight (kg/km)
1x2x24awg (19x0.135mm)	L45551-B21-C8	6.5	44
1x2x22awg (44x0.1mm)	L45551-P21-C8	6.9	52
1x2x20awg (66x0.1mm)	L45551-C21-C8	7.7	62

Cable Construction		Electrical Data				
Conductor:	Stranded Bare Copper Wire		24 AWG	22 AWG	20 AWG	
AWG:	24, 22, 20	Conductor Resistance	≤80 Ω/km	≤55 Ω/km	≤38 Ω/km	
No. of Pairs:	1	Insulation Resistance	≥ 5 GΩ/km	≥ 5 GΩ/km	≥ 5 GΩ/km	
Insulation:	Foam Polyethylene (PE) with skin	Capacitance (1kHz)	≈ 40 nF/km	≈ 38 nF/km	≈ 40 nF/km	
Colour Code:	White, Brown + Fillers	Characteristic Impedance (MHz)	120±18 0hm	120±20 0hm	120±18 0hm	
Shield:	Tinned copper wire braid, 80% coverage	Surface transfer impedance of screen (30MHz)	≤ 250 mΩ/m	≤ 250 mΩ/m	≤ 250 mΩ/m	
Outer Jacket:	Thermoplastic Polyurethane (TPU)	Rel. Velocity of Propagation	≈76%	≈79%	≈80%	
		Operating voltage (peak)	≤250 V	≤250 V	≤300 V	
		Test voltage (wire/wire rms 50Hz 1min)	1500 V	-	-	
		Test voltage (wire/screen rms 50Hz 1min)	1000 V	-	-	
		Test voltage (wire/wire/screen rms 50Hz 1min)	-	1500 V	2000 V	
		Attenuation	0.1 MHz	0.65 dB/100m	0.5 dB/100m	0.45 dB/100m
			1 MHz	1.9 dB/100m	1.5 dB/100m	1.2 dB/100m
			5 MHz	4.3 dB/100m	4.0 dB/100m	2.8 dB/100m
			10 MHz	8.1 dB/100m	6.6 dB/100m	3.9 dB/100m
			20 MHz	10.5 dB/100m	9.0 dB/100m	5.7 dB/100m