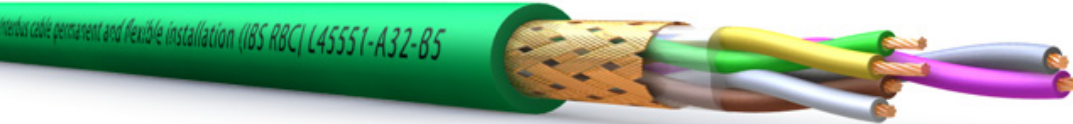


# INTERBUS Cable for Permanent Installation



L45551-A32-B5

Application	Cable Construction		
INTERBUS cable for permanent installation (IBS RBC)	Conductor	Stranded bare copper wire, 7x0.2mm	Ø 0.6 mm
	Insulation	Polyethylene (PE), 0.3mm wall thickness	Ø 1.2 mm
	No. Of Pairs	3 pairs: YE/GN - GY/PK - WH/BN	
	Tape	Plastic tape overlapped	
	Shield	Bare copper wire braid, 0.15mm wires	95 % coverage
	Outer Jacket	Polyvinylchloride (PVC), 1.0mm wall thickness	Ø 6.7 ± 0.4mm
	<b>Electrical Data</b>		
Conductor resistance			≤ 88 Ohm/km
Insulation resistance			> 2 GOhm/km
Capacitance	at 1 kHz	≈ 55 pF/m	
Characteristic impedance	0.064 MHz	120±24 Ohm	
	1 MHz	100±15 Ohm	
Surface transfer impedance	30 MHz	≤ 250 mOhm/m	
Test voltage (wire/screen rms 50Hz 1min)			=1000 V
Test voltage (wire/wire rms 50Hz 1min)			=1500 V

Frequency (MHz)	0.256	0.772	1	4	10	16	20
Attenuation max. (dB/100m)	1,5	2,4	2,7	5,2	8,4	11,2	11,9
Near crosstalk (dB)	/	61	59	50	44	41	40

**Mechanical & Thermal Characteristics**

Conductor material	acc. to DIN EN 13602 Cu-ETP-A...
Insulating material	acc. to DIN VDE 0819, part 103, table 1-L/MD (2YI2)
Jacket material	acc. to DIN VDE 0207, compound type YM3
Temperature Range	-30°C up to 70°C
Min Bending Radius	repeated 15x Ø, single 7.5x Ø
Weight about	64 kg/km