

BALLUFF

SENSOR CABLES FOR THE AUTOMOTIVE INDUSTRY

Overview



Diverse product line for a broad range of applications

SENSOR CABLES FOR THE AUTOMOTIVE INDUSTRY

At Balluff you have access to a broad range of double-ended cordsets for the automotive industry. From use in the protected indoors to applications where only slight or regular movement occurs, to increased or even very high mechanical loads are present, the versatility of our range allows you to handle virtually any requirement. Even high thermal loads, such as found in weld spatter areas, are no problem for our single-ended cordsets.



Cable group	PVC cable	Basic PUR cable	TPE cable
Part number	BCC ...-VX_34-__	BCC ...-PX_34-__	BCC ...-EX_34-__
Characteristic	Standard installation cables	Standard installation cables for the automotive industry	Standard installation cables for the automotive industry
Main application area	For protected indoor applications	For slight movement and mechanical loads, such as drag chains	For drag chains, conditionally for weld spark environments
Temperature resistant (cable only)	105 °C	90 °C	105 °C
UL approval	✓	✓	✓
UV resistant	✗	✓	✓
Weld spatter resistant	✗	✗	✗
Weld spark resistant	✗	✗	~
LABS-free	✓	✓	✓
High mechanical stress	✗	✗	✗
Drag chain-compatible	~	✓	✓
Torsion resistant	✗	~	~
Halogen-free	✗	✓	✗

- ✓ Well suited
- ~ Limited suitability
- ✗ Not suited





	Performance PUR cable	Ultra PUR cable	PTFE cable	Stainless steel cable	Silicon cable	Silicone-free TPE cables
	BCC ...-PW_ 34-__	BCC ...-PV_ 34-__	BCC ...-TW_ 34-__	BCC ...-MW_ 34-__	BCC ...-SW_ 34-__	BCC ...-BW_ 34-__
	Installation cables in bodyworks	Installation cables for heavy strain	With special outer jacket for highest thermal conditions	With braided stainless steel jacket for highest mechanical loads	With silicon jacket for temperature resistance	With special outer jacket for high thermal conditions
	For regular movement and mechanical loads such as on robots	For more severe loads such as in weld spark environments and on robots	For very high thermal loads such as in weld spatter environments	For very high mechanical loads such as in the press area	For very high thermal loads such as in weld spatter environments	For high thermal loads such as in weld spatter environments
	90 °C	90 °C	200 °C	90 °C	200 °C	150 °C (up to 400 h)
	✓	✓	✓	✓	✗	✓
	✓	✓	✓	✓	✓	✓
	✗	✗	✓	✗	✓	✓
	~	✓	✓	✗	✓	✓
	✓	✓	✓	✓	✗	✓
	~	~	~	✓	✗	~
	✓	✓	✗	✗	✗	✗
	✓	✓	✗	✗	✗	✗
	✓	✓	✗	✓	✗	✗



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