

ÖLFLEX® EB**FIO Catalogue Description: Lapp Olflex Intrinsically Safe Control Cables**

ÖLFLEX® EB is a PVC control cable with a blue outer sheath for use in explosive atmosphere with hazard type "i" (intrinsically safe). Complies with DIN EN 60079-14 section 12.2.2 (VDE 0165 Part 1). Electrical characteristics and marking of wire and cable.

Design	acc. to HD 21.13 that is VDE 0281-13
Conductor	fine wire strand of tinned copper as to IEC 60228 (VDE 0295) class 5
Core insulation	PVC compound TI2 acc. to VDE 0281 part 1 (HD 21.1 S3)
Identification	acc. to HD 186 that is VDE 0293, black cores with white numbers, with or without green/yellow ground conductor
Outer Sheath	Blue PVC compound TM2 in acc. HD 21.1 S3 that is VDE 0281 part 1

Electrical properties at 20° C

Nominal voltage	<50 V AC <75 V DC
Test voltage	3000V AC

Mechanical and thermal properties

Temperature range	-5°C to +70°C (flexible installation) -40°C to +70°C (static installation)
Min. bending radius	15 x cable diameter (flexing)
Flame retardant	in acc. To IEC 60 332.1
Test	in acc. to VDE 0472 and IEC 60 811-X.X that is VDE 0473

The product is for use in the voltage range of <50 V AC that is <75 V DC and is therefore not in accordance with the ECD 73/23/EEC (Low voltage directive).