According to DIN EN 60079-14; VDE 0165 part 1
Space-saving installation due to small cable diameters
Copper wire braid screening of the ÖLFLEX® EB CY protects signal transmission within intrinsically safe circuits against electromagnetic interference

Good chemical resistance

Interference signals

Info
For use within intrinsically safe circuits
EMC-compliant

Application range
Installation of intrinsically safe circuits, where a special cable marking for hazard area type "i"- intrinsic safety is specified
In EMC-sensitive environments(electromagnetic compatibility)

Design
Fine-wire strand made of bare copper wires
PVC insulation LAPP P8/1
Plastic foil wrapping
Tinned-copper braiding
PVC outer sheath, sky blue RAL 5015

Norm references / Approvals
Electrical characteristics and markings on the wires and cables are according to DIN EN 60079-14 Section 12.2.2 (VDE 0165 Part 1)
Based on EN 50525-2-51

Product features
Flame-retardant according IEC 60332-1-2
High degree of screeninglow transfer impedance (max. 250 Ω/km at 30 MHz)

Remark
Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
Photographs are not to scale and do not represent detailed images of the respective products.

Technical Data

Core identification code:	Black with white numbers acc. to VDE 0293-1
Mutual capacitance:	Core/core approx. 135 nF/km Core/screen approx. 185 nF/km
Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Inductivity:	approx. 0.65 mH/km
Specific insulation resistance:	> 20 GOhm x cm
Conductor stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius:	Occasional flexing: 20 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage:	U_0/U: 300/500 V
Test voltage:	Core/core: 3000 V Core/screen: 2000 V
Temperature range:	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C

Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® EB CY screened; without inner sheath				
0012640	2 X 0,75	6,2	43.0	56
0012641	3 X 0,75	6,5	52.0	70
0012642	4 X 0,75	7.0	61.0	95
0012643	5 X 0,75	7,7	72.0	108
0012644	7 X 0,75	8,3	89.0	168
0012645	12 X 0,75	10,9	138.0	216
0012646	18 X 0,75	12,7	211.0	315
0012647	25 X 0,75	14,8	280.0	435
0012650	2 X 1,0	6,5	51.0	84
0012651	3 X 1,0	6,8	62.0	110
0012652	5 X 1,0	8,1	88.0	156
0012653	7 X 1,0	8,8	112.0	192
0012654	12 X 1,0	11,5	185.0	285
0012655	18 X 1,0	13,9	268.0	395
0012656	25 X 1,0	15,9	354.0	656
0012660	2 X 1,5	7,1	65.0	87
0012661	3 X 1,5	7,5	82.0	112
0012662	5 X 1,5	8,9	119.0	148
0012663	7 X 1,5	9,9	154.0	193
0012664	12 X 1,5	13.0	268.0	365
0012666	25 X 1,5	17,9	530.0	734