



DATA SHEET	0019900
ÖLFLEX® 110 H	valid from : 01.03.2006

Application

ÖLFLEX® 110 H cables are halogen free, oil resistant control cables for flexible use and fixed installation for middle mechanical abuse. They are for use in dry, damp and wet rooms. They may only be installed outdoors with UV protection and in observation of the temperature range.

Continuous busy movements, usage of these cables in moving cable carriers, respectively on motor drum guidance or under a strain of more than 15 N/mm² is not allowed. ÖLFLEX® 110 H cables are used in all areas, where in an event of fire a protection of persons and real values is very important. In an event of fire occur no toxic and corrosive gases as soon as a low smoke density.

Technical data

Conductor	bare copper, fine wire strand acc. to IEC 60 228 (VDE 0295) class 5
Design	acc. to HD 21-13 S1 (VDE 0281-13)
Core insulation	Halogen free Compound HI2 acc. to VDE 0207 part 23
Identification	acc. to EN 50334 (VDE 0293), black cores with white numbers with or without green/yellow ground conductor
Outer sheath	Halogen free Compound HM2 acc. to VDE 0207 part 24
Nominal voltage	300 / 500 V
Test voltage	4000 V AC
Temp. range	fixed installation -40 up to +80° C max. conductor temperature
Min. bending radius	fixed installation 4 x cable diameter
Flame retardant	for cables with an outer diameter > 12 mm, Cat. C: In acc. to IEC 60332-3-24 that is EN 50266-2-4 that is VDE 0482 part 266-2-4 for cables with an outer diameter ≤ 12 mm, Cat. D: In acc. to IEC 60332-3-25 that is EN 50266-2-5 that is VDE 0482 part 266-2-5
Smoke density	63 % light transmission in acc. to VDE 0482 part 268
Toxicity	2.06 in acc. to NES 713
Halogen free	in acc. to IEC 60 754-1
Corrosivity	Conductivity and ph-value in acc. to IEC 60 754-2
Oil resistance	acc. to SEV TP20B/3C
Tests	acc. to EN 60 811 (VDE 0473, IEC 811) and VDE 0472
EC directive	This cable confirms to ECD 73/23/EEC (low voltage directive).

elaborated by: TE-K:	Document: DB0019900EN	page 1 of 1
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