



DATA SHEET	0011113
ÖLFLEX® 191	valid from : 16.01.2006

Application

ÖLFLEX® 191 cables are oil resistant control cables for the European, Northern American and Canadian market for flexible use and fixed installation for middle mechanical abuse. For use in machine tools, conveyor lines and production lines. 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® 191 cables are increased oil resistant and at room temperature generally resistant against acids and caustics solutions.

USE according to UL: PVC-sheathed cables for external interconnection or internal wiring of electronic equipment.

USE according to CSA: cables for internal or external interconnection with or without mechanical abuse.

Technical data

Conductor:	bare copper, fine wire strand
Conductor resistance	in acc. to UL, CSA and VDE/IEC
Design	in acc. to UL AWM, CSA-C 22.2 No. 210.2, in support to VDE 0281 part 13
Core Insulation	PVC-compound / UL-Class 43 and CSA-90 °C
Identification	in acc. to HD 186 that is VDE 0293, black cores with white numbers with or without green/yellow ground conductor
Outer sheath	PVC-compound / UL-Class 43 and CSA-90 °C
Nominal voltage	UL/CSA: 600 V EU/IEC: U ₀ /U: 300/500 V
Test voltage	3000 V AC
Temp. range	for flex. use -5 up to +70 °C (VDE) and +90 °C (UL/CSA) max. conductor temperature fixed installation -40 up to +70 °C (VDE) and +90 °C (UL/CSA) max. conductor temperature
Min. bending radius	flex. use 15 x cable diameter fixed installation 6 x cable diameter
Flame retardant	vertical flame test in acc. to UL 1581 § 1061, CSA FT1, IEC 60 332.1, that is VDE 0482 part 265-2-1
Oil resistance	in acc. to VDE 0473 part 811-2-1, UL 1581 class 43, CSA C 22.2 No. 210.2
Approvals	UL AWM Style 21098 or 2587 (File No. E 63634) CSA AWM I A/B II A/B (File No. LL 53776) Designation of approval is printed on the cable sheath.
EC directive	This cable confirms to ECD 73/23/EEC (low voltage directive).

elaborated by: TE-K: M. Herb	Document: DB0011113_2EN	page 1 of 1
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