



DATA SHEET	0026200
ÖLFLEX-FD® CLASSIC 810 CY	valid from : 01.04.2000

Application

ÖLFLEX-FD® CLASSIC 810 CY cables are especially high-flexible PVC connecting and control cables for flexible use and fixed installation for middle mechanical use. They are for use in dry, damp or wet rooms. They may only be installed outdoors with UV-protection and in observation of the temperature range. ÖLFLEX-FD® CLASSIC 810 CY cables are at room temperature generally resistant against acids and caustics solution. ÖLFLEX-FD® CLASSIC 810 CY cables are for use as control and connection cables in automation, assembly and robotics, on and in assembly and production lines. They are special for use in power chains, automatic manipulators, in permanently moved machine parts. Usage on motor drum guidance or under a strain of more than 15 N/mm² is not allowed. The screen is a protection against electrical interference.

Technical data

Conductor	bare copper, superfine wire strand in accordance to IEC 228 that is VDE 0295, class 6
Design	in acc. to HD 21.13S1 that is VDE 0281-13, VDE 0282-10, VDE 0245 part 102 (draft) , partly in support
Core insulation	LAPP special PVC-compound P8/1, better than the PVC compound TI2 in accordance to VDE 0207 part 4
Identification	in acc. to HD 186 that is VDE 0293, black cores with white numbers with green/yellow ground conductor
Inner sheath	PVC-compound TM2 in acc. to VDE 0207 part 5 with increased requests to LAPP specification
Screen	braid of tinned copper, coverage = 85 % (nominal value)
Outer sheath	PVC-compound TM2 in acc. to VDE 0207 part 5 with increased requests to LAPP specification
Nominal voltage	300/500 V
Test voltage	4000 V AC
Temp. range	flex. use 0 to +70° C max. conductor temperature
Min. bending radius	flex. use 7,5 x cable diameter
Flame retardant	in acc. to IEC 60 332.1 resp. VDE 0482 part 265-2-1
Tests	in acc. to VDE 0472 and IEC 811-x.x that is VDE 0473
EC directive	This cable confirms to ECD 73/23/EEC (low voltage directive).

elaborated by: TE-K:	Document: DB0026200_1EN	page 1 of 1
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