25th October 2007

ÖLFLEX® Classic 110 SY

ÖLFLEX® CLASSIC 110 SY cables are VDE approved control- and connecting cables for flexible use and fixed installation for medium mechanical use. 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. At room temperature it is generally resistant against acids, caustics solutions and certain oils. ÖLFLEX® CLASSIC 110 SY cables are used as supply and interconnecting cable for controlling machine tools, production lines, control equipment on conveyors, also for use in measuring regulating and computer units. Suitable for freely moved without forced guidance and tensile stress. The braid of galvanized steel wires are an additional mechanical protection. ÖLFLEX® CLASSIC 110 SY may not be stored outside.

Technical data

Design	in accordance to HD 21.13S1 that is VDE 0281-13 and VDE 0245-102, partly in support
Conductor	bare copper, fine wire strand in accordance to IEC 60 228 that is VDE 0295, class 5
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 resp. VDE 0293, black cores with white numbers with or without green/yellow ground conductor
Inner sheath	PVC compound TM2 in acc. to VDE 0207 part 5 with increased requests to LAPP specification
Braid	braid of galvanized steel-wires, coverage = 70 % (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	for flexible use -5 up to +70° C max. conductor temperature fixed installation -40 up to +80° C max. conductor temperature
Min. bending radius	flex. use : 20 x cable diameter fixed installation: 6 x cable diameter
Flame retardant	in acc. to IEC 60 332.1
Tests	in acc. to VDE 0472 and IEC 60 811-x.x that is VDE 0473
Approvals	VDE - Reg. No.: 7030
EC directive	This cable confirms to ECD 73/23/EEC (low voltage directive).

RS Number	Manufacture Part No.	Number of corse and mm² per conductor	Outer diameter in mm approx.	Copper weight kg/m	Weight kg/km approx.
141154	1125103	3 G 0.75	8,5	21,6	108
141182	1125104	4 G 0.75	9,2	28,8	126
141205	1125105	5 G 0.75	9,7	36	146
141198	1125107	7 G 0.75	10,3	50	172
141227	1125112	12 G 0.75	12,9	86	260
141211	1125204	4 G 1.0	9,5	38,4	141
141097	1125205	5 G 1.0	10,1	48	164
141104	1125304	4 G 1.5	10,2	58	173
141110	1125305	5 G 1.5	11,1	72	202