

OLFLEX® Classic 115 CY

Shielded Flexible Control Cable with Smaller OD for Tighter Installation



OLFLEX® Classic 115 CY is a multi-conductor, shielded, flexible control cable with a smaller OD for tighter installations. It is designed for use in all electrical equipment in dry, damp, or wet conditions. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

Recommended applications include machine tools, assembly lines, control systems, data processing equipment, connections between control panels and machines, CNC machining centers, grinding machines and bottling equipment.

OLFLEX® 115 CY Construction:

Finely stranded bare copper conductors; PVC insulation; conductors cabled with non-wicking fillers; dry lubricant; clear tape; tinned copper braid (85% coverage); gray PVC jacket.



Cable Attributes							
	OR-01		FR-02		FL-01		MP-01

Technical Data:

Minimum Bend Radius for installation:	6 x cable diameter	Conductor Stranding:	Fine wire per VDE 0295, Class 5
Temperature Range:	-30°C to +70°C	Color Code:	Black with white numbers, plus green/yellow ground
Nominal Voltage:	300/500V	Approvals:	Based on VDE specifications
Test Voltage:	4000V	Conforms to CE Low Voltage Directive	

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	Nominal Outer Diameter mm	Approx. Weight lbs/mft	Approx. Weight kg/km	Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	Nominal Outer Diameter mm	Approx. Weight lbs/mft	Approx. Weight kg/km
21 AWG (16/32) 0.50 mm²						16 AWG (30/30) 1.50 mm²					
1136752	2	.228	5.8	30	45	1136902	2	.280	7.1	65	97
1136003	3	.240	6.1	40	59	1136303	3	.295	7.5	84	125
1136004	4	.256	6.5	56	83	1136304	4	.323	8.2	111	165
1136005	5	.276	7.0	65	96	1136305	5	.350	8.9	130	193
1136007	7	.295	7.5	91	136	1136307	7	.390	9.9	165	245
1136012	12	.390	9.9	134	200	1136312	12	.512	13.0	245	365
1136018	18	.453	11.5	185	275	1136318	18	.614	15.6	372	553
1136025	25	.528	13.4	235	350	1136325	25	.705	17.9	493	734
18 AWG (32/32) 1.00 mm²						14 AWG (50/30) 2.50 mm²					
1136203	3	.256	6.5	74	110	1136403	3	.350	8.9	126	188
1136204	4	.287	7.3	87	130	1136404	4	.390	9.9	159	236
1136205	5	.319	8.1	105	156	1136405	5	.433	11.0	181	270
1136207	7	.346	8.8	129	192	1136407	7	.469	11.9	228	340
1136212	12	.453	11.5	192	285						
1136218	18	.547	13.9	265	395						
1136225	25	.626	15.9	441	656						

* Additional configurations are available, please call your Lapp representative for more information.

ÖLFLEX® PVC MULTI-CORE CABLES ÖLFLEX® CLASSIC 115 CY

EMC-conform screened control cable.
Thinner, lighter, more flexible.

The ÖLFLEX® CLASSIC 115CY is the slimmer lighter alternative for all applications where the ÖLFLEX® CLASSIC CY range are utilised ,with particular reference to EMC critical installations. The flexible alternative, ÖLFLEX® CLASSIC 115CY can be used in fixed installations or where non-continuous but flexible movement is required.

SPECIFICATION

Cores of fine wire strands of plain copper wire with PVC-based conductor insulation. Wrapping of insulating plastic foil, screen braiding of tinned copper wire. Outer sheath-silver grey PVC-based, flame retardant and self extinguishing.

TECHNICAL DATA

Minimum bending radius for flexing:	20 x cable diameter
Temperature range:	Flexing: -5°C to +70°C Static: -30°C to +70°C
Working voltage:	300/500 V
Conductor stranding:	fine wire to BS6360, Class 5, VDE 0295 Class 5
Colour code:	Black Cores/white numbers.
In accordance with VDE Regulations:	Conductors to VDE 0245/0250/0281. Sheath to VDE 0250/0281.

No. of cores and mm ² per conductor	Part Number	Approx. outside diameter in mm	No. of cores and mm ² per conductor	Part Number	Approx. outside diameter in mm

2 X 0.5	1136752	5.9	3 G 1.0	1136203	6.9
3 G 0.5	1136003	6.2	3 X 1.0	1136853	6.9
3 X 0.5	1136753	6.2	4 G 1.0	1136204	7.4
4 G 0.5	1136004	6.6			
4 X 0.5	1136754	6.6	4 X 1.0	1136854	7.4
5 G 0.5	1136005	7.1	5 G 1.0	1136205	8.2
5 X 0.5	1136755	7.1	5 X 1.0	1136855	8.2
7 G 0.5	1136007	7.8	7 G 1.0	1136207	8.9
7 X 0.5	1136757	7.8	7 X 1.0	1136857	8.9
12 G 0.5	1136012	10.0	12 G 1.0	1136212	11.6
12 X 0.5	1136762	10.0	18 G 1.0	1136218	14.0
18 G 0.5	1136018	11.6	25 G 1.0	1136225	16.0
18 X 0.5	1136768	11.6			
25 G 0.5	1136025	13.7	2 X 1.5	1136902	7.2
25 X 0.5	1136775	13.7	3 G 1.5	1136303	7.8
			3 X 1.5	1136903	7.8
2 X 0.75	1136802	6.3	4 G 1.5	1136304	8.3
3 G 0.75	1136103	6.6	4 X 1.5	1136904	8.3
3 X 0.75	1136803	6.6	5 G 1.5	1136305	9.0
4 G 0.75	1136104	7.1	5 X 1.5	1136905	9.0
4 X 0.75	1136804	7.1	7 G 1.5	1136307	10.0
5 G 0.75	1136105	7.8	7 X 1.5	1136907	10.0
5 X 0.75	1136805	7.8	12 G 1.5	1136312	13.3
7 G 0.75	1136107	8.4	18 G 1.5	1136318	15.7
7 X 0.75	1136807	8.4	25 G 1.5	1136325	18.0
12 G 0.75	1136112	11.0	34 G 1.5	1136334	20.9
18 G 0.75	1136118	12.8			
25 G 0.75	1136125	15.1	3 G 2.5	1136403	9.2
25 X 0.75	1136825	15.1	4 G 2.5	1136404	10.0
			5 G 2.5	1136405	11.1
2 X 1.0	1136852	6.6	7 G 2.5	1136407	12.0

G=With Protective Conductor **X**=Without Protective Conductor

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