

LAPP CY

LAPP CY cables are number coded control and connection cables with tinned copper braid screen. EMC compliant and space saving installation due to small cable diameters suitable for flexible use and fixed installation.

LAPP CY cables are suitable 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 generally resistant against acids, caustics solutions and certain oils. LAPP CY 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 free movement without forced guidance and tensile stress.

Typical applications:

Measurement and control technology, office machines and systems for data processing.

Technical data

Conductor	bare copper, fine wire strand in accordance to IEC 60 228 that is VDE 0295, class 5
Core insulation	PVC compound TI1 in accordance to VDE 0207
Identification	in acc. to VDE 0293, black cores with white numbers with or without green/yellow ground conductor
Braid	Tinned Copper Wire braid
Outer sheath	Grey PVC compound TM2 in acc. to VDE 0207 Grey RAL 7001
Nominal voltage	300/500 V
Test voltage	3000 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	fixed installation 12.5 x cable diameter
Flame retardant	in acc. to IEC 60 332.1 resp. VDE 0472 part 804
EC directive	This cable confirms to ECD 73/23/EEC (low voltage directive).

Manufacturers Part Number	No. Cores x Cross Sectional Area (mm ²)	Outer Diameter (mm)	Weight Kg/Km
38101610	Lapp CY 2x0.5	5.8	45.0
38101611	Lapp CY 3G0.5	6.1	59.0
38101612	Lapp CY 4G0.5	6.5	71.0
38101613	Lapp CY 5G0.5	7.0	86.0
38101614	Lapp CY 7G0.5	7.5	105.0
38101615	Lapp CY 12G0.5	9.9	104.0
1136025	Lapp CY 18G0.5	11.5	141.0
38101583	Lapp CY 3G0.75	6.5	68.7
38101584	Lapp CY 4G0.75	7.0	85.5
38101585	Lapp CY 5G0.75	7.7	102.4
38101586	Lapp CY 7G0.75	8.3	127.4
38101618	Lapp CY 12G0.75	10.9	232.0
1136118	Lapp CY 18G0.75	12.7	211.0
38101587	Lapp CY 3G1	6.8	81.6
38101588	Lapp CY 4G1	7.3	96.9
38101589	Lapp CY 5G1	8.1	122.0
38101590	Lapp CY 7G1	8.8	146.8
38101620	Lapp CY 12G1	11.5	285.0
1136218	Lapp CY 18G1	13.9	395.0
38101591	Lapp CY 3G1.5	7.5	100.4
38101592	Lapp CY 4G1.5	8.2	129.8
38101593	Lapp CY 5G1.5	8.9	152.7
38101594	Lapp CY 7G1.5	9.9	196.4
38101622	Lapp CY 12G1.5	13.0	332.0
1136318	Lapp CY 18G1.5	15.6	553.0
38101595	Lapp CY 3G2.5	8.9	147.4
38101596	Lapp CY 4G2.5	9.9	189.8
38101597	Lapp CY 5G2.5	11.0	230.9
38101598	Lapp CY 7G2.5	11.9	291.5
1136412	Lapp CY 12G2.5	16.0	589.0
1136418	Lapp CY 18G2.5	19.0	978.0