

LAPP SY

LAPP SY cables are number coded 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. LAPP 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 free movement without forced guidance and tensile stress. The braiding of galvanized steel wires are an additional mechanical protection.

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
Inner Sheath	PVC compound TM2 in acc. to VDE 0207
Braid	Galvanised steel wire braid
Outer sheath	Transparent PVC compound TM2 in acc. to VDE 0207
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
38101349	3 x 0.75mm ²	7.9	113
38101350	4 x 0.75mm ²	8.5	129
38101351	5 x 0.75mm ²	9.2	148
38101352	7 x 0.75mm ²	9.9	174
38101353	3 x 1mm ²	8.3	125
38101354	4 x 1mm ²	8.9	145
38101355	5 x 1mm ²	9.6	168
38101356	7 x 1mm ²	10.4	144
38101357	3 x 1.5mm ²	9.0	151
38101358	4 x 1.5mm ²	9.7	176
38101359	5 x 1.5mm ²	10.6	207
38101360	7 x 1.5mm ²	11.5	264
38101361	3 x 2.5mm ²	10.6	206
38101362	4 x 2.5mm ²	11.5	260
38101363	5 x 2.5mm ²	12.6	307
38101364	7 x 2.5mm ²	13.9	374