

Datasheet

Stock No: 827-4170

RS Pro 7 Core Screened CY Control Cable



CY Control Cable

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.

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. 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
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 Grey RAL 7001
Nominal voltage	300/500 V
Test voltage	2000 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 10 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).

Part Number	No. Cores x Cross Sectional Area (mm ²)	Outer Diameter (mm)	Weight Kg/Km
8274139	CY 2x0.5	5.8	45.0
8274149	CY 3G0.5	6.1	59.0
8274158	CY 4G0.5	6.5	71.0
8274151	CY 5G0.5	7.0	86.0
8274167	CY 7G0.5	7.5	105.0
8274177	CY 12G0.5	9.9	104.0
8274192	CY 18G0.5	11.5	141.0
8274133	CY 2x0.75	5.9	49.0
8274155	CY 5G0.75	7.4	87.0
8274161	CY 7G0.75	8.0	109.0
8274186	CY 12G0.75	10.4	177.0
8274195	CY 18G0.75	12.1	254.0
8274142	CY 2x1.0	6.2	57.0
8274164	CY 5G1	8.0	110.0
8274170	CY 7G1	8.6	134.3
8274189	CY 12G1	11.3	217.0
8274199	CY 18G1	13.2	306.0
8274145	CY 2G1.5	7.0	70.0
8274183	CY 12G1.5	13.0	365.0
8274209	CY 18G1.5	14.8	405.0
8274173	CY 7G2.5	11.2	249.0