



## Description

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 TI1 in accordance to VDE 0207
Identification	: In according to VDE 0293, black cores with white numbers with green / yellow ground conductor
Braid	: Tinned copper wire braid
Outer Sheath	: Grey PVC compound TM2 in according to VDE 0207 Grey RAL 7001
Nominal Voltage	: 300 / 500 V
Test Voltage	: 3,000 V AC
Temperature Range	: For flexible use -5 up to +70°C maximum conductor temperature Fixed installation -40 up to +80°C maximum conductor temperature
Minimum bending radius	: Fixed installation 12.5 × cable diameter
Flame retardant	: In according to IEC 60 332.1 resp. VDE 0472 part 804
EC directive	: This cable confirms to ECD 73 / 23 / EEC (low voltage directive)

## Specification Table Reel of 100M

Description	Number Cores × Cross Sectional Area (mm <sup>2</sup> )	Outer Diameter (mm)	Weight kg / km	Part Number
Cable, CY, 3 Core, 0.5mm, 100M	CY 3G0.5	6.1	59	PPCY3C0.50 100M
Cable, CY, 4 Core, 0.5mm, 100M	CY 4G0.5	6.5	71	PPCY4C0.50 100M
Cable, CY, 5 Core, 0.5mm, 100M	CY 5G0.5	7	86	PPCY5C0.50 100M
Cable, CY, 7 Core, 0.5mm, 100M	CY 7G0.5	7.5	105	PPCY7C0.50 100M
Cable, CY, 3 Core, 0.75mm, 100M	CY 3G0.75	6.5	68.7	PPCY3C0.75 100M
Cable, CY, 4 Core, 0.75mm, 100M	CY 4G0.75	7	85.5	PPCY4C0.75 100M
Cable, CY, 5 Core, 0.75mm, 100M	CY 5G0.75	7.7	102.4	PPCY5C0.75 100M
Cable, CY, 7 Core, 0.75mm, 100M	CY 7G0.75	8.3	127.4	PPCY7C0.75 100M
Cable, CY, 3 Core, 1mm, 100M	CY 3G1	6.8	81.6	PPCY3C1.00 100M

Description	Number Cores × Cross Sectional Area (mm <sup>2</sup> )	Outer Diameter (mm)	Weight kg / km	Part Number
Cable, CY, 4 Core, 1mm, 100M	CY 4G1	7.3	96.9	PPCY4C1.00 100M
Cable, CY, 5 Core, 1mm, 100M	CY 5G1	8.1	122	PPCY5C1.00 100M
Cable, CY, 7 Core, 1mm, 100M	CY 7G1	8.8	146.8	PPCY7C1.00 100M
Cable, CY, 3 Core, 1.5mm, 100M	CY 3G1.5	7.5	100.4	PPCY3C1.50 100M
Cable, CY, 4 Core, 1.5mm, 100M	CY 4G1.5	8.2	129.8	PPCY4C1.50 100M
Cable, CY, 5 Core, 1.5mm, 100M	CY 5G1.5	8.9	152.7	PPCY5C1.50 100M
Cable, CY, 7 Core, 1.5mm, 100M	CY 7G1.5	9.9	196.4	PPCY7C1.50 100M
Cable, CY, 3 Core, 2.5mm, 100M	CY 3G2.5	8.9	147.4	PPCY3C2.50 100M
Cable, CY, 4 Core, 2.5mm, 100M	CY 4G2.5	9.9	189.8	PPCY4C2.50 100M
Cable, CY, 5 Core, 2.5mm, 100M	CY 5G2.5	11	230.9	PPCY5C2.50 100M
Cable, CY, 7 Core, 2.5mm, 100M	CY 7G2.5	11.9	291.5	PPCY7C2.50 100M

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