



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 50M

Description	Number Cores × Cross Sectional Area (mm²)	Outer Diameter (mm)	Weight kg / km	Part Number
Cable, CY, 3 Core, 0.5mm, 50M	CY 3G0.5	6.1	59	PPCY3C0.50 50M
Cable, CY, 4 Core, 0.5mm, 50M	CY 4G0.5	6.5	71	PPCY4C0.50 50M
Cable, CY, 5 Core, 0.5mm, 50M	CY 5G0.5	7	86	PPCY5C0.50 50M
Cable, CY, 7 Core, 0.5mm, 50M	CY 7G0.5	7.5	105	PPCY7C0.50 50M
Cable, CY, 3 Core, 0.75mm, 50M	CY 3G0.75	6.5	68.7	PPCY3C0.75 50M
Cable, CY, 4 Core, 0.75mm, 50M	CY 4G0.75	7	85.5	PPCY4C0.75 50M
Cable, CY, 5 Core, 0.75mm, 50M	CY 5G0.75	7.7	102.4	PPCY5C0.75 50M
Cable, CY, 7 Core, 0.75mm, 50M	CY 7G0.75	8.3	127.4	PPCY7C0.75 50M
Cable, CY, 3 Core, 1mm, 50M	CY 3G1	6.8	81.6	PPCY3C1.00 50M

Description	Number Cores × Cross Sectional Area (mm ²)	Outer Diameter (mm)	Weight kg / km	Part Number
Cable, CY, 4 Core, 1mm, 50M	CY 4G1	7.3	96.9	PPCY4C1.00 50M
Cable, CY, 5 Core, 1mm, 50M	CY 5G1	8.1	122	PPCY5C1.00 50M
Cable, CY, 7 Core, 1mm, 50M	CY 7G1	8.8	146.8	PPCY7C1.00 50M
Cable, CY, 3 Core, 1.5mm, 50M	CY 3G1.5	7.5	100.4	PPCY3C1.50 50M
Cable, CY, 4 Core, 1.5mm, 50M	CY 4G1.5	8.2	129.8	PPCY4C1.50 50M
Cable, CY, 5 Core, 1.5mm, 50M	CY 5G1.5	8.9	152.7	PPCY5C1.50 50M
Cable, CY, 7 Core, 1.5mm, 50M	CY 7G1.5	9.9	196.4	PPCY7C1.50 50M
Cable, CY, 3 Core, 2.5mm, 50M	CY 3G2.5	8.9	147.4	PPCY3C2.50 50M
Cable, CY, 4 Core, 2.5mm, 50M	CY 4G2.5	9.9	189.8	PPCY4C2.50 50M
Cable, CY, 5 Core, 2.5mm, 50M	CY 5G2.5	11	230.9	PPCY5C2.50 50M
Cable, CY, 7 Core, 2.5mm, 50M	CY 7G2.5	11.9	291.5	PPCY7C2.50 50M
Cable, CY, 12 Core, 0.5mm, 50M	CY 12G0.5	9.9	104	PPCY12C0.50 50M
Cable, CY, 18 Core, 0.5mm, 50M	CY 18G0.5	11.5	141	PPCY18C0.50 50M
Cable, CY, 12 Core, 0.75mm, 50M	CY 12G0.75	10.9	232	PPCY12C0.75 50M
Cable, CY, 18 Core, 0.75mm, 50M	CY 18G0.75	12.7	211	PPCY18C0.75 50M
Cable, CY, 12 Core, 1mm, 50M	CY 12G1	11.5	285	PPCY12C1.00 50M
Cable, CY, 18 Core, 1mm, 50M	CY 18G1	13.9	395	PPCY18C1.00 50M
Cable, CY, 12 Core, 1.5mm, 50M	CY 12G1.5	13	332	PPCY12C1.50 50M
Cable, CY, 18 Core, 1.5mm, 50M	CY 18G1.5	15.6	553	PPCY18C1.50 50M
Cable, CY, 12 Core, 2.5mm, 50M	CY 12G2.5	16	589	PPCY12C2.50 50M
Cable, CY, 18 Core, 2.5mm, 50M	CY 18G2.5	19	978	PPCY18C2.50 50M

Specification Table Per Meter

Description	Number Cores × Cross Sectional Area (mm ²)	Outer Diameter (mm)	Weight kg / km	Part Number
Cable, CY, 3 Core, 0.5mm, Per M	CY 3G0.5	6.1	59	PPCY3C0.50
Cable, CY, 3 Core, 0.75mm, Per M	CY 3G0.75	6.5	68.7	PPCY3C0.75
Cable, CY, 3 Core, 1mm, Per M	CY 3G1	6.8	81.6	PPCY3C1.00
Cable, CY, 3 Core, 1.5mm, Per M	CY 3G1.5	7.5	100.4	PPCY3C1.50
Cable, CY, 3 Core, 2.5mm, Per M	CY 3G2.5	8.9	147.4	PPCY3C2.50
Cable, CY, 4 Core, 0.5mm, Per M	CY 4G0.5	6.5	71	PPCY4C0.50
Cable, CY, 4 Core, 0.75mm, Per M	CY 4G0.75	7	85.5	PPCY4C0.75
Cable, CY, 4 Core, 1mm, Per M	CY 4G1	7.3	96.9	PPCY4C1.00
Cable, CY, 4 Core, 1.5mm, Per M	CY 4G1.5	8.2	129.8	PPCY4C1.50
Cable, CY, 4 Core, 2.5mm, Per M	CY 4G2.5	9.9	189.8	PPCY4C2.50
Cable, CY, 5 Core, 0.5mm, Per M	CY 5G0.5	7	86	PPCY5C0.50
Cable, CY, 5 Core, 0.75mm, Per M	CY 5G0.75	7.7	102.4	PPCY5C0.75

Description	Number Cores × Cross Sectional Area (mm ²)	Outer Diameter (mm)	Weight kg / km	Part Number
Cable, CY, 5 Core, 1mm, Per M	CY 5G1	8.1	122	PPCY5C1.00
Cable, CY, 5 Core, 1.5mm, Per M	CY 5G1.5	8.9	152.7	PPCY5C1.50
Cable, CY, 5 Core, 2.5mm, Per M	CY 5G2.5	11	230.9	PPCY5C2.50
Cable, CY, 7 Core, 0.5mm, Per M	CY 7G0.5	7.5	105	PPCY7C0.50
Cable, CY, 7 Core, 0.75mm, Per M	CY 7G0.75	8.3	127.4	PPCY7C0.75
Cable, CY, 7 Core, 1mm, Per M	CY 7G1	8.8	146.8	PPCY7C1.00
Cable, CY, 7 Core, 1.5mm, Per M	CY 7G1.5	9.9	196.4	PPCY7C1.50
Cable, CY, 7 Core, 2.5mm, Per M	CY 7G2.5	11.9	291.5	PPCY7C2.50
Cable, CY, 12 Core, 0.5mm, Per M	CY 12G0.5	9.9	104	PPCY12C0.50
Cable, CY, 12 Core, 0.75mm, Per M	CY 12G0.75	10.9	232	PPCY12C0.75
Cable, CY, 12 Core, 1mm, Per M	CY 12G1	11.5	285	PPCY12C1.00
Cable, CY, 12 Core, 1.5mm, Per M	CY 12G1.5	13	332	PPCY12C1.50
Cable, CY, 12 Core, 2.5mm, Per M	CY 12G2.5	16	589	PPCY12C2.50
Cable, CY, 18 Core, 0.5mm, Per M	CY 18G0.5	11.5	141	PPCY18C0.50
Cable, CY, 18 Core, 0.75mm, Per M	CY 18G0.75	12.7	211	PPCY18C0.75
Cable, CY, 18 Core, 1mm, Per M	CY 18G1	13.9	395	PPCY18C1.00
Cable, CY, 18 Core, 1.5mm, Per M	CY 18G1.5	15.6	553	PPCY18C1.50
Cable, CY, 18 Core, 2.5mm, Per M	CY 18G2.5	19	978	PPCY18C2.50

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