



## **CONTROL CABLE TYPE CY**

### **PVC/TCWB/PVC**

#### **Application**

For use as a measuring, control and signal cable for the machine tool industry, plant construction, heating and air conditioning etc, and are particularly suitable between fixed and mobile equipment. The cable is well protected against electrical interference by the narrow weave tinned copper-wire braid screen, which ensures the undisturbed transmission of pulses and signals in electronic fields.

\* Note: should not be used in any installations where the cable is subjected to repetitive flexing.

#### **Technical Data**

- In accordance with VDE 0250 + BS 6500
- Temperature range: flexing -5 Deg C to + 70 Deg C  
Stationary -20 Deg C to +70 Deg C
- Good resistance to oils and gasoline's
- Voltage grade 300/300V & 300/500V
- Test Voltage core / core 2000 V core / braid 1000 V
- Minimum bending radius: 10 x outside dia.

#### **Cable structure**

- Plain copper conductors
  - Flexible type, fine wire to VDE 0295 class 5 + BS 6360
  - PVC insulation TI2 to BS 7655
  - Cores twisted together (laid up)
  - Black cores with white figure imprint (VDE 0293)
  - Earth conductor green-yellow (no green/yellow in two core)
  - Clear foil tape
  - Tinned copper wire braid PVC sheathed – Grey Ral 7001.
- Can also be supplied with LSZH sheath.



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### FLEXIBLE CY SIZING CHART

CORES & SIZE MM.*	O/A DIA	WEIGHT KG/KM	GLAND SIZE	CORES & SIZE MM.*	O/A DIA	WEIGHT KG/KM	GLAND SIZE
2 X 0.5 *	5.5	46	M16	2 X 1.5 *	7.5	85	M16
3 X 0.5	5.8	55	M16	3 X 1.5	8.3	115	M16
4 X 0.5	6.4	66	M16	4 X 1.5	8.7	150	M16
5 X 0.5	7.2	78	M16	5 X 1.5	9.5	168	M16
7 X 0.5	8.2	95	M16	7 X 1.5	10.8	210	M20
12 X 0.5	10.0	155	M20	12 X 1.5	13.5	365	M25
18 X 0.5	11.7	230	M20	18 X 1.5	16.5	525	M25
25 X 0.5	13.8	320	M25	25 X 1.5	19.8	765	M32
				34 X 1.5	22.0	940	M32
2 X 0.75*	6.3	55	M16	42 X 1.5	23.8	1050	M32
3 X 0.75	7.0	67	M16				
4 X 0.75	7.2	80	M16	2 X 2.5 *	9.5	130	M16
5 X 0.75	8.0	100	M16	3 X 2.5	10.5	170	M20
7 X 0.75	9.0	130	M16	4 X 2.5	11.4	210	M20
12 X 0.75	11.5	210	M20	5 X 2.5	12.5	260	M25
18 X 0.75	13.0	260	M25	7 X 2.5	14.0	345	M25
25 X 0.75	16.0	430	M25	12 X 2.5	15.9		M25
34 X 0.75	17.5	515	M25	3 X 4.0	10.6	265	M25
42 X 0.75	19.0	600	M32	4 X 4.0	11.5	350	M25
				5 X 4.0	12.7	480	M25
2 X 1.0 *	7.0	66	M16	7 X 4.0	14.0		M25
3 X 1.0	7.3	80	M16	4 X 6.0	15.5	550	M25
4 X 1.0	8.0	100	M16	5 X 6.0	15.7		M25
5 X 1.0	8.5	125	M16	7 X 6.0	16.6		M25
7 X 1.0	9.2	160	M16	4 X 10.0	18.0	900	M25
12 X 1.0	12.5	260	M20	4 X 16.0	22.0	1250	M32
18 X 1.0	14.5	375	M25	4 X 25.0	33.5	2591	M50S
34 X 1.0	20.0	650	M32	5 X 10.0	20.0		M32
42 X 1.0	21.5	740	M32	5 X 16.0	22.9		M32