

Power & Control Cable

For fixed industrial installations

WIPE hotwire Power & Control Cables are engineered to be the backbone of industrial control systems, transmitting electrical signals and power between control panels and machinery with precision and without disruption. Manufactured to BS EN 50288-7/ IS 694/ IS 155, they meet international standards for safety, performance, and long-term durability.

Across motors, actuators, and sensors, control cables ensure every command is executed accurately and every response delivered without delay. In automated environments, these cables are not peripheral infrastructure but the system itself.



Key Features



BS EN 50288-7/ IS 694/ IS 1554 compliant



High mechanical strength



EMI-resistant



Premium insulated conductors



Optional overall screening



Fixed installation ready



300V and 500V voltage grades

Applications



Industrial control panels



Manufacturing and processing plants



Automation and robotics systems



Process control facilities



Power distribution infrastructure



Heavy machinery wiring



Electrical panel manufacturing

Construction

- Stranded copper conductor, EN 60228
- PVC, PE, XLPE, HE PVC or LDPE insulation, EN 50288-7
- Al/PET individual and collective screen with tinned copper drain wire
- PVC or LSZH inner sheath, EN 50290-2-22/27
- Galvanised steel strip or round wire armor, EN 50288
- PVC or LSZH outer sheath, EN 50290-2-22/27

**300 VOLTS, MULTI CORE, STR.COPPER, PVC/PE INSULATED, ALUMINUM MYLAR TAPED
OVERALL SHIELDED, ARMORED AND UNARMORED INSTRUMENTATION CABLES AS PER EN 50288-7.**

Part Number	Area of Conductor	No. of Cores	Min. Thickness of Insulation	ARMORED CABLES				UNARMORED CABLES	
				Nominal Thickness of Inner Sheath	Diameter of G.I. Armor Wire	Nominal Thickness of Outer Sheath	Nominal Overall Diameter	Nominal Thickness of Outer Sheath	Nominal Overall Diameter
	sqmm		mm	mm	mm	mm	mm	mm	mm
WCB02CAB00Z1	0.5	2	0.26	0.8	0.9	1.3	9.6	0.8	5.2
WCB03CAB00Z1	0.5	3	0.26	0.8	0.9	1.3	9.9	0.8	5.5
WCB04CAB00Z1	0.5	4	0.26	0.8	0.9	1.3	10.3	0.8	5.9
WCB05CAB00Z1	0.5	5	0.26	0.9	0.9	1.3	11	0.9	6.6
WCB06CAB00Z1	0.5	6	0.26	0.9	0.9	1.3	11.5	0.9	7.1
WCB07CAB00Z1	0.5	7	0.26	0.9	0.9	1.3	11.5	0.9	7.1
WCB08CAB00Z1	0.5	8	0.26	0.9	0.9	1.3	12.3	0.9	7.9
WCB10CAB00Z1	0.5	10	0.26	0.9	0.9	1.4	13.4	0.9	8.8
WCB12CAB00Z1	0.5	12	0.26	0.9	0.9	1.4	13.7	0.9	9.1
WCB16CAB00Z1	0.5	16	0.26	1	0.9	1.4	14.8	1.0	10.2
WCB18CAB00Z1	0.5	18	0.26	1	0.9	1.4	15.3	1.0	10.7
WCB19CAB00Z1	0.5	19	0.26	1	0.9	1.4	15.3	1.0	10.7
WCB20CAB00Z1	0.5	20	0.26	1	0.9	1.4	15.9	1.0	11.3
WCB24CAB00Z1	0.5	24	0.26	1	0.9	1.4	17	1.0	12.4
WCB30CAB00Z1	0.5	30	0.26	1.1	0.9	1.5	18.1	1.1	13.3
WCB37CAB00Z1	0.5	37	0.26	1.1	0.9	1.5	19.1	1.1	14.3
WCB02CBB00Z1	0.75	2	0.26	0.8	0.9	1.3	10.1	0.8	5.7
WCB03CBB00Z1	0.75	3	0.26	0.8	0.9	1.3	10.4	0.8	6
WCB04CBB00Z1	0.75	4	0.26	0.9	0.9	1.3	11.1	0.9	6.7
WCB05CBB00Z1	0.75	5	0.26	0.9	0.9	1.3	11.6	0.9	7.2
WCB06CBB00Z1	0.75	6	0.26	0.9	0.9	1.3	12.2	0.9	7.8
WCB07CBB00Z1	0.75	7	0.26	0.9	0.9	1.3	12.2	0.9	7.8
WCB08CBB00Z1	0.75	8	0.26	0.9	0.9	1.4	13.2	0.9	8.6
WCB10CBB00Z1	0.75	10	0.26	1	0.9	1.4	14.5	1.0	9.9
WCB12CBB00Z1	0.75	12	0.26	1	0.9	1.4	14.8	1.0	10.2
WCB16CBB00Z1	0.75	16	0.26	1	0.9	1.4	15.8	1.0	11.2
WCB18CBB00Z1	0.75	18	0.26	1	0.9	1.4	16.4	1.0	11.8
WCB19CBB00Z1	0.75	19	0.26	1	0.9	1.4	16.4	1.0	11.8
WCB20CBB00Z1	0.75	20	0.26	1	0.9	1.4	17	1.0	12.4
WCB24CBB00Z1	0.75	24	0.26	1.1	0.9	1.5	18.7	1.1	13.9
WCB30CBB00Z1	0.75	30	0.26	1.1	0.9	1.5	19.5	1.1	14.7
WCB37CBB00Z1	0.75	37	0.26	1.1	0.9	1.5	20.6	1.1	15.8
WCB02CCB00Z1	1	2	0.26	0.8	0.9	1.3	10.4	0.8	6
WCB03CCB00Z1	1	3	0.26	0.9	0.9	1.3	10.9	0.9	6.5
WCB04CCB00Z1	1	4	0.26	0.9	0.9	1.3	11.5	0.9	7.1
WCB05CCB00Z1	1	5	0.26	0.9	0.9	1.3	12.1	0.9	7.7
WCB06CCB00Z1	1	6	0.26	0.9	0.9	1.3	12.7	0.9	8.3
WCB07CCB00Z1	1	7	0.26	0.9	0.9	1.3	12.7	0.9	8.3
WCB08CCB00Z1	1	8	0.26	0.9	0.9	1.4	13.8	0.9	9.2
WCB10CCB00Z1	1	10	0.26	1	0.9	1.4	15.2	1.0	10.6
WCB12CCB00Z1	1	12	0.26	1	0.9	1.4	15.5	1.0	10.9

**300 VOLTS, MULTI CORE, STR.COPPER, PVC/PE INSULATED, Aluminum MYLAR TAPED
OVERALL SHIELDED, ARMORED AND UNARMORED INSTRUMENTATION CABLES AS PER EN 50288-7.**

Part Number	Area of Conductor	No. of Cores	Min. Thickness of Insulation	ARMORED CABLES				UNARMORED CABLES	
				Nominal Thickness of Inner Sheath	Diameter of G.I. Armor Wire	Nominal Thickness of Outer Sheath	Nominal Overall Diameter	Nominal Thickness of Outer Sheath	Nominal Overall Diameter
	sqmm		mm	mm	mm	mm	mm	mm	mm
WCB16CCB00Z1	1	16	0.26	1	0.9	1.4	16.7	1.0	12.1
WCB18CCB00Z1	1	18	0.26	1	0.9	1.4	17.3	1.0	12.7
WCB19CCB00Z1	1	19	0.26	1	0.9	1.4	17.3	1.0	12.7
WCB20CCB00Z1	1	20	0.26	1.1	0.9	1.5	18.4	1.1	13.6
WCB24CCB00Z1	1	24	0.26	1.1	0.9	1.5	19.8	1.1	15
WCB30CCB00Z1	1	30	0.26	1.1	0.9	1.5	20.6	1.1	15.8
WCB37CCB00Z1	1	37	0.26	1.2	0.9	1.5	22.1	1.2	17.3
WCB02CDB00Z1	1.5	2	0.35	0.9	0.9	1.3	11.6	0.9	7.2
WCB03CDB00Z1	1.5	3	0.35	0.9	0.9	1.3	12	0.9	7.6
WCB04CDB00Z1	1.5	4	0.35	0.9	0.9	1.4	12.9	0.9	8.3
WCB05CDB00Z1	1.5	5	0.35	0.9	0.9	1.4	13.6	0.9	9
WCB06CDB00Z1	1.5	6	0.35	1	0.9	1.4	14.6	1.0	10
WCB07CDB00Z1	1.5	7	0.35	1	0.9	1.4	14.6	1.0	10
WCB08CDB00Z1	1.5	8	0.35	1	0.9	1.4	15.8	1.0	11.2
WCB10CDB00Z1	1.5	10	0.35	1.1	0.9	1.5	17.6	1.1	12.8
WCB12CDB00Z1	1.5	12	0.35	1.1	0.9	1.5	18	1.1	13.2
WCB16CDB00Z1	1.5	16	0.35	1.1	0.9	1.5	19.4	1.1	14.6
WCB18CDB00Z1	1.5	18	0.35	1.1	0.9	1.5	20.2	1.1	15.4
WCB19CDB00Z1	1.5	19	0.35	1.1	0.9	1.5	20.2	1.1	114
WCB20CDB00Z1	1.5	20	0.35	1.2	0.9	1.5	21.2	1.2	16.4
WCB24CDB00Z1	1.5	24	0.35	1.2	1.25	1.6	23.9	1.2	18.2
WCB30CDB00Z1	1.5	30	0.35	1.3	1.25	1.6	25.1	1.3	19.4
WCB37CDB00Z1	1.5	37	0.35	1.3	1.25	1.7	26.9	1.3	21

500 VOLTS, MULTI CORE, STR.COPPER, PVC/PE INSULATED, ALUMINUM MYLAR TAPED OVERALL SHIELDED, ARMORED AND UNARMORED INSTRUMENTATION CABLES AS PER EN 50288-7

Part Number	Area of Conductor	No. of Cores	Min. Thickness of Insulation	ARMORED CABLES				UNARMORED CABLES	
				Nominal Thickness of Inner Sheath	Diameter of G.I. Armor Wire	Nominal Thickness of Outer Sheath	Nominal Overall Diameter	Nominal Thickness of Outer Sheath	Nominal Overall Diameter
	sqmm		mm	mm	mm	mm	mm	mm	mm
WCC02CAB00Z1	0.5	2	0.44	0.9	0.9	1.3	10.6	0.9	6.2
WCC03CAB00Z1	0.5	3	0.44	0.9	0.9	1.3	11	0.9	6.6
WCC04CAB00Z1	0.5	4	0.44	0.9	0.9	1.3	11.5	0.9	7.1
WCC05CAB00Z1	0.5	5	0.44	0.9	0.9	1.3	12.1	0.9	7.7
WCC06CAB00Z1	0.5	6	0.44	0.9	0.9	1.4	12.9	0.9	8.3
WCC07CAB00Z1	0.5	7	0.44	0.9	0.9	1.4	12.9	0.9	8.3
WCC08CAB00Z1	0.5	8	0.44	1	0.9	1.4	14.1	1.0	9.5
WCC10CAB00Z1	0.5	10	0.44	1	0.9	1.4	15.2	1.0	10.6
WCC12CAB00Z1	0.5	12	0.44	1	0.9	1.4	15.6	1.0	11
WCC16CAB00Z1	0.5	16	0.44	1	0.9	1.4	16.7	1.0	12.1
WCC18CAB00Z1	0.5	18	0.44	1.1	0.9	1.5	17.7	1.1	12.9
WCC19CAB00Z1	0.5	19	0.44	1.1	0.9	1.5	17.7	1.1	12.9
WCC20CAB00Z1	0.5	20	0.44	1.1	0.9	1.5	18.4	1.1	13.6
WCC24CAB00Z1	0.5	24	0.44	1.1	0.9	1.5	19.8	1.1	15
WCC30CAB00Z1	0.5	30	0.44	1.2	0.9	1.5	20.9	1.2	16.1
WCC37CAB00Z1	0.5	37	0.44	1.2	0.9	1.6	22.3	1.2	17.3
WCC02CBB00Z1	0.75	2	0.44	0.9	0.9	1.3	11.1	0.9	6.7
WCC03CBB00Z1	0.75	3	0.44	0.9	0.9	1.3	11.4	0.9	7
WCC04CBB00Z1	0.75	4	0.44	0.9	0.9	1.3	12	0.9	7.6
WCC05CBB00Z1	0.75	5	0.44	0.9	0.9	1.4	12.9	0.9	8.3
WCC06CBB00Z1	0.75	6	0.44	0.9	0.9	1.4	13.6	0.9	9
WCC07CBB00Z1	0.75	7	0.44	0.9	0.9	1.4	13.6	0.9	9
WCC08CBB00Z1	0.75	8	0.44	1	0.9	1.4	14.8	1.0	10.2
WCC10CBB00Z1	0.75	10	0.44	1	0.9	1.4	16.1	1.0	11.5
WCC12CBB00Z1	0.75	12	0.44	1	0.9	1.4	16.4	1.0	11.8
WCC16CBB00Z1	0.75	16	0.44	1.1	0.9	1.5	18.1	1.1	13.3
WCC18CBB00Z1	0.75	18	0.44	1.1	0.9	1.5	18.8	1.1	14
WCC19CBB00Z1	0.75	19	0.44	1.1	0.9	1.5	18.8	1.1	14
WCC20CBB00Z1	0.75	20	0.44	1.1	0.9	1.5	19.5	1.1	14.7
WCC24CBB00Z1	0.75	24	0.44	1.2	0.9	1.6	21.5	1.2	16.5
WCC30CBB00Z1	0.75	30	0.44	1.2	1.25	1.6	23.1	1.2	17.4
WCC37CBB00Z1	0.75	37	0.44	1.3	1.25	1.6	24.7	1.3	19
WCC02CCB00Z1	1	2	0.44	0.9	0.9	1.3	11.4	0.9	7
WCC03CCB00Z1	1	3	0.44	0.9	0.9	1.3	11.8	0.9	7.4
WCC04CCB00Z1	1	4	0.44	0.9	0.9	1.3	12.5	0.9	8.1
WCC05CCB00Z1	1	5	0.44	0.9	0.9	1.4	13.4	0.9	8.8
WCC06CCB00Z1	1	6	0.44	1	0.9	1.4	14.3	1.0	9.7
WCC07CCB00Z1	1	7	0.44	1	0.9	1.4	14.3	1.0	9.7
WCC08CCB00Z1	1	8	0.44	1	0.9	1.4	15.4	1.0	10.8
WCC10CCB00Z1	1	10	0.44	1	0.9	1.4	16.8	1.0	12.2
WCC12CCB00Z1	1	12	0.44	1.1	0.9	1.5	17.6	1.1	12.8

500 VOLTS, MULTI CORE, STR.COPPER, PVC/PE INSULATED, ALUMINUM MYLAR TAPED OVERALL SHIELDED, ARMORED AND UNARMORED INSTRUMENTATION CABLES AS PER EN 50288-7

Part Number	Area of Conductor	No. of Cores	Min. Thickness of Insulation	ARMORED CABLES				UNARMORED CABLES	
				Nominal Thickness of Inner Sheath	Diameter of G.I. Armor Wire	Nominal Thickness of Outer Sheath	Nominal Overall Diameter	Nominal Thickness of Outer Sheath	Nominal Overall Diameter
	sqmm		mm	mm	mm	mm	mm	mm	mm
WCC16CCB00Z1	1	16	0.44	1.1	0.9	1.5	18.9	1.1	14.1
WCC18CCB00Z1	1	18	0.44	1.1	0.9	1.5	19.7	1.1	14.9
WCC19CCB00Z1	1	19	0.44	1.1	0.9	1.5	19.7	1.1	14.9
WCC20CCB00Z1	1	20	0.44	1.1	0.9	1.5	20.5	1.1	15.7
WCC24CCB00Z1	1	24	0.44	1.2	0.9	1.6	22.6	1.2	17.6
WCC30CCB00Z1	1	30	0.44	1.2	1.25	1.6	24.3	1.2	18.6
WCC37CCB00Z1	1	37	0.44	1.3	1.25	1.6	26	1.3	20.3
WCC02CDB00Z1	1.5	2	0.44	0.9	0.9	1.3	12	0.9	7.6
WCC03CDB00Z1	1.5	3	0.44	0.9	0.9	1.4	12.7	0.9	8.1
WCC04CDB00Z1	1.5	4	0.44	0.9	0.9	1.4	13.4	0.9	8.8
WCC05CDB00Z1	1.5	5	0.44	1	0.9	1.4	14.4	1.0	9.8
WCC06CDB00Z1	1.5	6	0.44	1	0.9	1.4	15.2	1.0	10.6
WCC07CDB00Z1	1.5	7	0.44	1	0.9	1.4	15.2	1.0	10.6
WCC08CDB00Z1	1.5	8	0.44	1	0.9	1.4	16.5	1.0	11.9
WCC10CDB00Z1	1.5	10	0.44	1.1	0.9	1.5	18.4	1.1	13.6
WCC12CDB00Z1	1.5	12	0.44	1.1	0.9	1.5	18.8	1.1	14
WCC16CDB00Z1	1.5	16	0.44	1.2	0.9	1.5	20.5	1.2	15.7
WCC18CDB00Z1	1.5	18	0.44	1.2	0.9	1.6	21.6	1.2	16.6
WCC19CDB00Z1	1.5	19	0.44	1.2	0.9	1.6	21.6	1.2	16.6
WCC20CDB00Z1	1.5	20	0.44	1.2	1.25	1.6	23.2	1.2	17.5
WCC24CDB00Z1	1.5	24	0.44	1.3	1.25	1.6	25.3	1.3	19.6
WCC30CDB00Z1	1.5	30	0.44	1.3	1.25	1.7	26.6	1.3	20.7
WCC37CDB00Z1	1.5	37	0.44	1.4	1.25	1.7	28.5	1.4	22.6
WCC02CEB00Z1	2.5	2	0.53	1	0.9	1.4	13.6	1.0	9
WCC03CEB00Z1	2.5	3	0.53	1	0.9	1.4	14.2	1.0	9.6
WCC04CEB00Z1	2.5	4	0.53	1	0.9	1.4	15.1	1.0	10.5
WCC05CEB00Z1	2.5	5	0.53	1	0.9	1.4	16	1.0	11.4
WCC06CEB00Z1	2.5	6	0.53	1.1	0.9	1.5	17.4	1.1	12.6
WCC07CEB00Z1	2.5	7	0.53	1.1	0.9	1.5	17.4	1.1	12.6
WCC08CEB00Z1	2.5	8	0.53	1.1	0.9	1.5	19	1.1	14.2
WCC10CEB00Z1	2.5	10	0.53	1.2	0.9	1.6	21.2	1.2	16.2
WCC12CEB00Z1	2.5	12	0.53	1.2	0.9	1.6	21.8	1.2	16.8
WCC16CEB00Z1	2.5	16	0.53	1.3	1.25	1.6	24.5	1.3	18.8
WCC18CEB00Z1	2.5	18	0.53	1.3	1.25	1.7	25.7	1.3	19.8
WCC19CEB00Z1	2.5	19	0.53	1.3	1.25	1.7	25.7	1.3	19.8
WCC20CEB00Z1	2.5	20	0.53	1.3	1.25	1.7	26.9	1.3	21
WCC24CEB00Z1	2.5	24	0.53	1.4	1.25	1.7	29.3	1.4	23.4
WCC30CEB00Z1	2.5	30	0.53	1.5	1.25	1.8	31.1	1.5	25
WCC37CEB00Z1	2.5	37	0.53	1.5	1.25	1.8	33.1	1.5	27

Note : Part codes listed in this table apply only to the standard cable constructions. Customized or non-standard cable constructions shall be assigned part codes as per the nomenclature defined in this catalogue