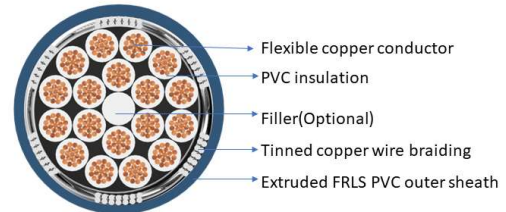
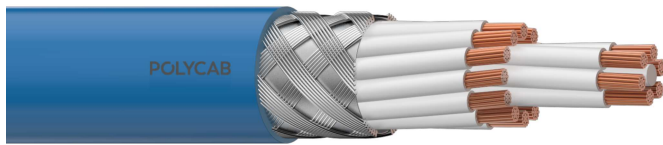


# POLYCAB BMS 500 MC -C4

## BMS Cable PVC Insulated Overall Braided 500V.



Images not to scale. Follow table for dimensions

### APPLICATION

POLYCAB BMS 500 MC-C4, Flexible copper conductor, PVC insulated, laid up with tinned copper braided and FRLS sheathed cable conforming to BS EN 50288-7 are designed for transmission of analogue and digital signals in Building management system. POLYCAB BMS 500 MC-C4 cables are used for diverse applications for control & monitoring of service provided within the building.

### CHARACTERISTICS

**Voltage Rating**  
500 V

**Operation Temperature**  
Max.: PVC 70°C

**Bending Radius**  
12 x Overall diameter

### CONSTRUCTION

- Flexible (Class 5) Copper conductor as per EN 60228
- Insulated with PVC Type A as per EN 50288-7
- Tinned copper wire braided.
- Sheathed with Extruded PVC FRLS as per EN 50290-2-22

#### Core Identification

White/Grey core with number printing.

Outer sheath colour: Blue

### OUTSTANDING FEATURES

Flame Retardant  
Low smoke emission  
High life  
Flexible

### STANDARD FOLLOWS

EN 50288-7  
EN 50288-1  
EN 60228  
EN 50290-2-22  
EN 60332-1-2

### COMPLIANCE

Conductor resistance - EN 60228  
Insulation resistance - EN 50288-7  
L/R Ratio - EN 50288-7  
Mutual capacitance - EN 50288-7

### OUR ACCREDITATIONS



### APPROVAL



### NOTES

As per the application/identification requirement, other colour also available on request.

# POLYCAB BMS 500 MC -C4

## BMS Cable PVC Insulated Overall Braided 500V.

### Weight & Dimension Data

**500 VOLTS, MULTI CORE, FLEX.COPPER, PVC TYPE A INSULATED, OVERALL TINNED COPPER WIRE  
BRAIDED BMS CABLES AS PER EN 50288-7**

Area of conductor	No.of core	Min. thickness of insulation	Nominal thickness of outer sheath	Nominal overall Diameter	Approx. weight
sqmm		mm	mm	mm	kg/km
0.5	2	0.44	0.86	5.6	45
0.5	3	0.44	0.87	5.9	55
0.5	4	0.44	0.89	6.4	66
0.5	5	0.44	0.91	7.0	77
0.5	6	0.44	0.94	7.6	89
0.5	7	0.44	0.94	7.6	97
0.5	8	0.44	0.97	8.4	111
0.5	10	0.44	1.01	9.5	135
0.5	12	0.44	1.02	9.8	152
0.5	16	0.44	1.06	10.8	191
0.5	18	0.44	1.08	11.4	211
0.5	19	0.44	1.08	11.4	218
0.5	20	0.44	1.10	12.1	231
0.5	24	0.44	1.15	13.4	274
0.75	2	0.44	0.88	6.1	54
0.75	3	0.44	0.89	6.4	66
0.75	4	0.44	0.91	7.0	81
0.75	5	0.44	0.94	7.6	96
0.75	6	0.44	0.96	8.2	111
0.75	7	0.44	0.96	8.2	121
0.75	8	0.44	1.00	9.2	139
0.75	10	0.44	1.04	10.4	170
0.75	12	0.44	1.05	10.7	193
0.75	16	0.44	1.10	11.9	244
0.75	18	0.44	1.12	12.5	270
0.75	19	0.44	1.12	12.5	280

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# POLYCAB BMS 500 MC -C4

## BMS Cable PVC Insulated Overall Braided 500V.

Area of conductor	No.of core	Min. thickness of insulation	Nominal thickness of outer sheath	Nominal overall Diameter	Approx. weight
sqmm		mm	mm	mm	kg/km
0.75	20	0.44	1.15	13.2	297
0.75	24	0.44	1.20	14.7	352
1	2	0.44	0.89	6.4	62
1	3	0.44	0.91	6.8	78
1	4	0.44	0.93	7.4	95
1	5	0.44	0.95	8.1	113
1	6	0.44	0.98	8.8	132
1	7	0.44	0.98	8.8	144
1	8	0.44	1.02	9.8	166
1	10	0.44	1.07	11.1	203
1	12	0.44	1.08	11.5	232
1	16	0.44	1.13	12.8	294
1	18	0.44	1.15	13.5	327
1	19	0.44	1.15	13.5	339
1	20	0.44	1.18	14.2	360
1	24	0.44	1.24	15.8	428
1.5	2	0.44	0.92	7.0	76
1.5	3	0.44	0.93	7.4	97
1.5	4	0.44	0.96	8.1	120
1.5	5	0.44	0.98	8.9	144
1.5	6	0.44	1.01	9.7	168
1.5	7	0.44	1.01	9.7	185
1.5	8	0.44	1.06	10.8	214
1.5	10	0.44	1.11	12.3	262
1.5	12	0.44	1.13	12.7	301
1.5	16	0.44	1.18	14.1	385
1.5	18	0.44	1.21	14.9	428
1.5	19	0.44	1.21	14.9	446

# POLYCAB BMS 500 MC -C4

## BMS Cable PVC Insulated Overall Braided 500V.

Area of conductor	No. of core	Min. thickness of insulation	Nominal thickness of outer sheath	Nominal overall Diameter	Approx. weight
sqmm		mm	mm	mm	kg/km
1.5	20	0.44	1.24	15.8	473
1.5	24	0.44	1.31	17.6	563
2.5	2	0.53	0.97	8.4	110
2.5	3	0.53	0.99	8.9	143
2.5	4	0.53	1.02	9.8	179
2.5	5	0.53	1.05	10.7	215
2.5	6	0.53	1.09	11.7	253
2.5	7	0.53	1.09	11.7	282
2.5	8	0.53	1.14	13.2	325
2.5	10	0.53	1.21	15.0	401
2.5	12	0.53	1.23	15.6	464
2.5	16	0.53	1.30	17.4	598
2.5	18	0.53	1.34	18.4	667
2.5	19	0.53	1.34	18.4	695
2.5	20	0.53	1.38	19.5	737
2.5	24	0.53	1.46	21.7	879

For Cables of sizes or cores not listed above the product data is available on request  
Dimensions & Weights are representative figures and may vary

### Electrical Parameter

Area of Conductor	Max. DC resistance of conductor at 20°C Plain wires	Insulation resistance (PVC)	Mutual capacitance (PVC)	Inductance to resistance ratio(L/R)
Sqmm	Ohm/km	MΩ/Km	nf/Km	μH/Ω
0.5	39	10	250	< 25
0.75	26	10	250	< 25
1	19.5	10	250	< 25
1.5	13.3	10	250	< 40
2.5	7.98	10	250	< 60