



Images not to scale. Follow table for dimensions

## APPLICATION

POLY CAB BMS 300 MC-A7, Flexible copper conductor, PVC insulated, Al-mylar shielded unarmoured and FRLS sheathed cable confirming to EN 50288-7 are designed for transmission of analogue and digital signals in Building management system. POLY CAB BMS 300 MC-A7 cables are used for diverse applications for control & monitoring of service provided within the building.

## CHARACTERISTICS

### Voltage Rating

300 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
- Collective screen Al/PET (Aluminium /Polyester tape) with drain wire of tinned Cu
- Sheathed with Extruded PVC FRLS

### Core Identification

White/Grey core with number printing.

Outer sheath colour: Blue

## OUTSTANDING FEATURES

- High life
- Flame retardant
- Flexible
- Low smoke

## STANDARD FOLLOWS

- EN 50288-7
- EN 50288-1
- EN 60228
- 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.

# POLY CAB BMS 300 MC-A7

## BMS Cable shielded 300V

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### Weight & Dimension Data :

300 VOLTS, MULTI CORE, FLEX.COPPER, PVC TYPE A INSULATED, ALUMINIUM MYLAR TAPED OVERALL SHIELDED, UNARMOURED BMS CABLES AS PER EN 50288-7

Area of conductor sqmm	No.of core	Min. thickness of insulation mm	Nominal thickness of outer sheath mm	Nominal overall Diameter mm	Approx. weight kg/km
0.5	2	0.26	0.83	4.79	35
0.5	3	0.26	0.83	5.03	43
0.5	4	0.26	0.85	5.44	51
0.5	5	0.26	0.87	5.87	59
0.5	6	0.26	0.	6.33	68
0.5	7	0.26	0.88	6.33	74
0.5	8	0.26	0.91	7.03	84
0.5	10	0.26	0.94	7.88	101
0.5	12	0.26	0.95	8.13	115
0.5	16	0.26	0.98	8.96	144
0.5	18	0.26	1.00	9.43	159
0.5	19	0.26	1.00	9.43	165
0.5	20	0.26	1.02	9.94	175
0.5	24	0.26	1.05	10.97	207
0.75	2	0.26	0.84	5.23	43
0.75	3	0.26	0.85	5.51	53
0.75	4	0.26	0.87	5.97	64
0.75	5	0.26	0.89	6.47	75
0.75	6	0.26	0.91	7.00	87
0.75	7	0.26	0.91	7.00	95
0.75	8	0.26	0.94	7.79	109
0.75	10	0.26	0.97	8.77	133
0.75	12	0.26	0.98	9.05	151
0.75	16	0.26	1.02	10.00	192
0.75	18	0.26	1.04	10.53	213
0.75	19	0.26	1.04	10.53	221

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**POLY CAB BMS 300 MC-A7**  
**BMS Cable shielded 300V**

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Area of conductor sqmm	No.of core	Min. thickness of insulation mm	Nominal thickness of outer sheath mm	Nominal overall Diameter mm	Approx. weight kg/km
0.75	20	0.26	1.06	11.12	234
0.75	24	0.26	1.10	12.30	278
1	2	0.26	0.86	5.60	50
1	3	0.26	0.87	5.92	63
1	4	0.26	0.89	6.42	77
1	5	0.26	0.91	6.97	91
1	6	0.26	0.93	7.56	106
1	7	0.26	0.93	7.56	116
1	8	0.26	0.96	8.44	133
1	10	0.26	1.00	9.51	163
1	12	0.26	1.01	9.82	187
1	16	0.26	1.05	10.88	238
1	18	0.26	1.07	11.47	265
1	19	0.26	1.07	11.47	276
1	20	0.26	1.10	12.11	292
1	24	0.26	1.15	13.42	347
1.5	2	0.35	0.89	6.58	66
1.5	3	0.35	0.91	6.97	85
1.5	4	0.35	0.93	7.60	106
1.5	5	0.35	0.96	8.29	127
1.5	6	0.35	0.98	9.02	148
1.5	7	0.35	0.98	9.02	164
1.5	8	0.35	1.02	10.12	189
1.5	10	0.35	1.07	11.46	232
1.5	12	0.35	1.09	11.85	268
1.5	16	0.35	1.14	13.17	344
1.5	18	0.35	1.16	13.90	383
1.5	19	0.35	1.16	13.90	399
1.5	20	0.35	1.19	14.71	423

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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	24	0.35	1.25	16.35	504

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