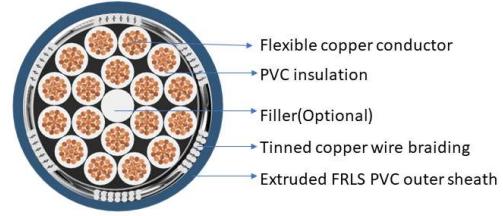


POLY CAB BMS 300 MC-C4

BMS Cable PVC Insulated Overall Braided 300V.

POLY CAB
IDEAS. CONNECTED.



Images not to scale. Follow table for dimensions

APPLICATION

POLY CAB BMS 300 MC-C4, Flexible copper conductor, PVC insulated, laid up with tinned copper braided and FRLS sheathed cable confirming to BS EN 50288-7 are designed for transmission of analogue and digital signals in Building management system. POLY CAB BMS 300 MC-C4 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
- 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

High life
Flame Retardant
Low Smoke
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

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

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Weight & Dimension Data :

300 VOLTS, MULTI CORE, FLEX.COPPER, PVC TYPE A INSULATED, OVERALL TINNED COPPER WIRE BRAIDED 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 | 4.84 | 37 |
| 0.5 | 3 | 0.26 | 0.84 | 5.09 | 45 |
| 0.5 | 4 | 0.26 | 0.86 | 5.49 | 53 |
| 0.5 | 5 | 0.26 | 0.87 | 5.93 | 63 |
| 0.5 | 6 | 0.26 | 0.89 | 6.39 | 72 |
| 0.5 | 7 | 0.26 | 0.89 | 6.39 | 78 |
| 0.5 | 8 | 0.26 | 0.92 | 7.09 | 90 |
| 0.5 | 10 | 0.26 | 0.95 | 7.94 | 108 |
| 0.5 | 12 | 0.26 | 0.96 | 8.18 | 122 |
| 0.5 | 16 | 0.26 | 0.99 | 9.02 | 153 |
| 0.5 | 18 | 0.26 | 1.01 | 9.48 | 169 |
| 0.5 | 19 | 0.26 | 1.01 | 9.48 | 175 |
| 0.5 | 20 | 0.26 | 1.03 | 9.99 | 186 |
| 0.5 | 24 | 0.26 | 1.06 | 11.03 | 219 |
| 0.75 | 2 | 0.26 | 0.85 | 5.29 | 45 |
| 0.75 | 3 | 0.26 | 0.86 | 5.57 | 56 |
| 0.75 | 4 | 0.26 | 0.88 | 6.03 | 68 |
| 0.75 | 5 | 0.26 | 0.90 | 6.52 | 80 |
| 0.75 | 6 | 0.26 | 0.92 | 7.05 | 93 |
| 0.75 | 7 | 0.26 | 0.92 | 7.05 | 101 |
| 0.75 | 8 | 0.26 | 0.95 | 7.85 | 116 |
| 0.75 | 10 | 0.26 | 0.98 | 8.82 | 141 |
| 0.75 | 12 | 0.26 | 0.99 | 9.11 | 161 |
| 0.75 | 16 | 0.26 | 1.03 | 10.06 | 203 |
| 0.75 | 18 | 0.26 | 1.05 | 10.59 | 225 |
| 0.75 | 19 | 0.26 | 1.05 | 10.59 | 233 |

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BMS Cable PVC Insulated Overall Braided 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 | 1.07 | 11.17 | 247 |
| 0.75 | 24 | 0.26 | 1.11 | 12.36 | 293 |
| 1 | 2 | 0.26 | 0.86 | 5.66 | 53 |
| 1 | 3 | 0.26 | 0.88 | 5.97 | 66 |
| 1 | 4 | 0.26 | 0.90 | 6.48 | 81 |
| 1 | 5 | 0.26 | 0.92 | 7.03 | 96 |
| 1 | 6 | 0.26 | 0.94 | 7.61 | 112 |
| 1 | 7 | 0.26 | 0.94 | 7.61 | 123 |
| 1 | 8 | 0.26 | 0.97 | 8.49 | 141 |
| 1 | 10 | 0.26 | 1.01 | 9.57 | 173 |
| 1 | 12 | 0.26 | 1.02 | 9.88 | 197 |
| 1 | 16 | 0.26 | 1.06 | 10.94 | 251 |
| 1 | 18 | 0.26 | 1.08 | 11.52 | 278 |
| 1 | 19 | 0.26 | 1.08 | 11.52 | 289 |
| 1 | 20 | 0.26 | 1.11 | 12.17 | 307 |
| 1 | 24 | 0.26 | 1.15 | 13.48 | 364 |
| 1.5 | 2 | 0.35 | 0.90 | 6.63 | 71 |
| 1.5 | 3 | 0.35 | 0.92 | 7.03 | 91 |
| 1.5 | 4 | 0.35 | 0.94 | 7.66 | 112 |
| 1.5 | 5 | 0.35 | 0.96 | 8.34 | 134 |
| 1.5 | 6 | 0.35 | 0.99 | 9.08 | 157 |
| 1.5 | 7 | 0.35 | 0.99 | 9.08 | 173 |
| 1.5 | 8 | 0.35 | 1.03 | 10.18 | 200 |
| 1.5 | 10 | 0.35 | 1.08 | 11.52 | 245 |
| 1.5 | 12 | 0.35 | 1.10 | 11.91 | 282 |
| 1.5 | 16 | 0.35 | 1.15 | 13.23 | 360 |
| 1.5 | 18 | 0.35 | 1.17 | 13.96 | 401 |
| 1.5 | 19 | 0.35 | 1.17 | 13.96 | 417 |

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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 | 20 | 0.35 | 1.20 | 14.77 | 442 |
| 1.5 | 24 | 0.35 | 1.26 | 16.40 | 526 |

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 |