

TECHNICAL DATA SHEET

PRO-ELEC

SY PVC (YSLYSY) Control Cable

**RoHS
Compliant**

| Construction | |
|---------------------|--|
| Conductor | Class 5 flexible plain copper |
| Insulation | PVC (Polyvinyl Chloride) |
| Inner Sheath | PVC (Polyvinyl Chloride) |
| Armour | GSWB (Galvanised Steel Wire Braid) |
| Sheath | PVC (Polyvinyl Chloride) |
| Core Identification | Black with White number From 3 cores: Black with White number + Green/Yellow Colour-coded cores available upon request |
| Sheath Colour | Transparent |

| Specification | |
|---------------------|--|
| Voltage Rating | 300/500V |
| Temperature Rating | Fixed: -40°C to +80°C Flexed: -5°C to +70°C |
| Minimum Bend Radius | Fixed: 4 x overall diameter Flexed: 12.5 x overall diameter |



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Dimensions

| PART NO | NO. OF CORES | CROSS SECTIONAL AREA mm ² (NOMINAL) | THICKNESS OF INSULATION mm (NOMINAL) | THICKNESS OF OUTER SHEATH mm (NOMINAL) | OVERALL DIAMETER mm (NOMINAL) | NOMINAL WEIGHT kg/km |
|-------------------|--------------|--|--------------------------------------|--|-------------------------------|----------------------|
| CB20839 / CB20840 | 2 | 0.5 | 0.40 | 0.7 | 4.8 | 36 |
| CB20841 / CB20842 | 2 | 0.75 | 0.40 | 0.7 | 5.2 | 46 |
| CB20843 / CB20844 | 2 | 1 | 0.40 | 0.7 | 5.6 | 56 |
| CB20845 / CB20846 | 2 | 1.5 | 0.40 | 0.8 | 6.4 | 73 |
| CB20847 / CB20848 | 2 | 2.5 | 0.50 | 0.9 | 7.6 | 113 |
| CB20849 / CB20850 | 3 | 0.5 | 0.40 | 0.7 | 5.1 | 44 |
| CB20851 / CB20852 | 3 | 0.75 | 0.40 | 0.7 | 5.5 | 55 |
| CB20853 / CB20854 | 3 | 1.5 | 0.40 | 0.8 | 6.8 | 91 |
| CB20855 / CB20856 | 3 | 1.5 | 0.40 | 0.8 | 9.2 | 151 |
| CB20857 / CB20858 | 3 | 2.5 | 0.50 | 0.9 | 8.3 | 140 |
| CB20859 / CB20860 | 4 | 0.5 | 0.40 | 0.7 | 5.5 | 54 |
| CB20861 / CB20862 | 4 | 0.75 | 0.40 | 0.8 | 6.2 | 70 |
| CB20863 / CB20864 | 4 | 1 | 0.40 | 0.8 | 6.7 | 85 |
| CB20865 / CB20866 | 4 | 1.5 | 0.40 | 0.9 | 7.6 | 116 |
| CB20867 / CB20868 | 4 | 2.5 | 0.50 | 1 | 9.3 | 179 |
| CB20869 | 4 | 4 | 0.60 | 1.10 | 11.2 | 269 |
| CB20870 | 4 | 6 | 0.65 | 1.20 | 12.8 | 374 |
| CB20871 | 5 | 0.5 | 0.40 | 0.8 | 6.2 | 64 |
| CB20872 | 5 | 0.75 | 0.40 | 0.8 | 6.7 | 83 |
| CB20873 / CB20874 | 5 | 1 | 0.40 | 0.9 | 7.5 | 104 |
| CB20875 / CB20876 | 5 | 1.5 | 0.40 | 0.9 | 8.3 | 136 |
| CB20877 / CB20878 | 5 | 2.5 | 0.50 | 1.10 | 10.3 | 213 |
| CB20879 | 7 | 0.75 | 0.40 | 0.9 | 7.5 | 108 |
| CB20880 | 7 | 1 | 0.40 | 0.9 | 8.1 | 130 |
| CB20881 | 7 | 1.5 | 0.40 | 1 | 9.2 | 177 |
| CB20882 | 7 | 2.5 | 0.50 | 1.10 | 11.2 | 277 |

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Electrical Characteristics

| NOMINAL CROSS SECTIONAL AREA mm ² | CURRENT CARRYING CAPACITIES 30°C CONTINUOUS LOADING A | MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km |
|--|---|---|
| 0.5 | 9 | 39 |
| 0.75 | 12 | 26 |
| 1 | 15 | 19.5 |
| 1.5 | 18 | 13.3 |
| 2.5 | 26 | 7.98 |
| 4 | 34 | 4.95 |
| 6 | 44 | 3.3 |
| 10 | 61 | 1.91 |
| 16 | 82 | 1.21 |
| 25 | 108 | 0.780 |
| 35 | 135 | 0.554 |

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