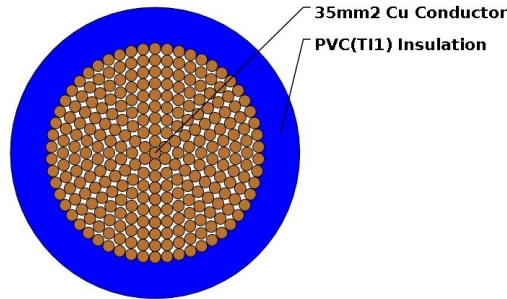


**Cable Code:** CAUTPC035001BU1>  
**Description:** METSEC AUTO CABLE 35.00MM BLUE (Roll=100m)  
**Reference:** NYAF / H07V-K  
**Standard:** BS EN 50525-2-31



**Main Application:**

For indoor fixed installations in dry locations, where particular flexibility is required. For electrical panels connection, electrical apparatus or automotive. They can be laid in groups around steel sheet

**Parameters:**

|  |  |                           |
|--|--|---------------------------|
| <b>Physical</b>                                    | Conductor  | Copper                    |
|  | Insulation   | PVC                       |
|  | Cross sectional area   | 35 sq mm                  |
|  | No. of Cores:  | 1                         |
|  | Nom. Thickness of Insulation                                       | 1.2 mm                    |
|  | Nom. Overall Diameter  | 10.2 mm                   |
|  | Nom. Weight  | 36.01 kg/m                |
|  | Conductor Class  | 5                         |
| Colour of Insulation                               | Blue   |                           |
| <b>Electrical</b>                                  | Rated Voltage (U <sub>0</sub> /U)                                  | 450/750 V                 |
|  | Max. permissible operating voltage in AC systems (U <sub>m</sub> ) | 0.825 kV                  |
|  | AC Test voltage over 5 minutes                                     | 3.125 kV                  |
|  | Max. Conductor D.C Resistance      20°C                            | 0.554 Ohms                |
|  | Max. Conductor D.C Resistance      @ 70°C                          | 0.66 Ohms                 |
|  | Min. Insulation Resistance   | 5 MΩ.km                   |
| Short Circuit Current Rating for 1 second duration | 4.025 kA   |                           |
| <b>Thermal</b>                                     | Maximum conductor operating temperature:                           | 70 °C                     |
|  | Lowest ambient temperature for fixed installation:                 | -40 °C                    |
|  | Lowest installation temperature:                                   | -5 °C                     |
|  | Maximum short-circuit conductor temperature:                       | +160 °C                   |
| <b>Mechanical</b>                                  | Tensile load   | 525 N/mm <sup>2</sup>     |
|  | Min. bending radii (BS 7671)                                       | 3 * d                     |
| <b>Chemical</b>                                    | Resistance to oil:   | According to IEC Standard |
|  | Flame Retardant:   | IEC 60332-1-2             |

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