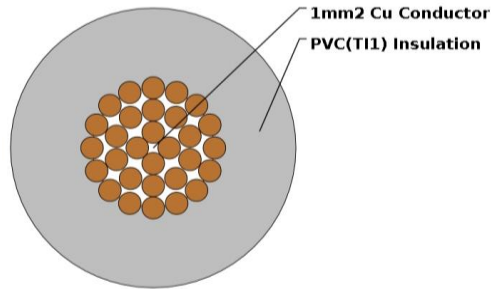


**Cable Code:** CAUTPC001001GY2>  
**Description:** METSEC AUTO CABLE 1.00MM GREY (Roll=50m)  
**Reference:** NYAF / H07V-K  
**Standard:** BS EN 50525-2-31



**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	1 sq mm
	No. of Cores:	1
	Nom. Thickness of Insulation	0.8 mm
	Nom. Overall Diameter	2.84 mm
	Nom. Weight	0.81 kg/m
	Conductor Class	5
	Colour of Insulation	Grey
<b>Electrical</b>	Rated Voltage ( $U_0/U$ )	450/750 V
	Max. permissible operating voltage in AC systems ( $U_m$ )	0.825 kV
	AC Test voltage over 5 minutes	3.125 kV
	Max. Conductor D.C Resistance      20°C	19.5 Ohms
	Max. Conductor D.C Resistance      @ 70°C	23.33 Ohms
	Min. Insulation Resistance	5 MΩ.km
	Short Circuit Current Rating for 1 second duration	0.115 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	15 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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