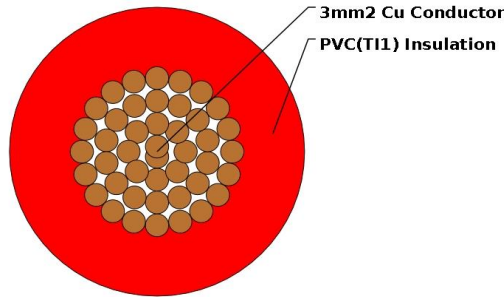


**Cable Code:** CAUTPC003001RD1>  
**Description:** METSEC AUTO CABLE 3.00MM RED (Roll=100m)  
**Reference:** NYAF / H07V-K  
**Standard:** BS EN 50525-2-31



**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	3 sq mm
	No. of Cores:	1
	Nom. Thickness of Insulation	0.8 mm
	Nom. Overall Diameter	3.89 mm
	Nom. Weight	2.67 kg/m
	Conductor Class	5
Colour of Insulation	Red	
<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	5.733 Ohms
	Max. Conductor D.C Resistance      @ 70°C	6.86 Ohms
	Min. Insulation Resistance	5 MΩ.km
Short Circuit Current Rating for 1 second duration	0.345 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	45 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

**Despite every reasonable effort having been made to ensure the accuracy of the technical information contained in this datasheet:**

- i. THE COMPANY MAKES NO WARRANTY OR REPRESENTATION WHATSOEVER AS TO THE SUITABILITY OF THE PRODUCT FOR ANY PARTICULAR PURPOSE. THE ONUS IS ENTIRELY ON THE PURCHASER OF THE PRODUCT TO ENSURE THAT THE PRODUCT IS SUITABLE FOR ITS INTENDED PURPOSE;
- ii. DUE TO MATERIAL AND MANUFACTURING TOLERANCES, TEST RESULTS AND / OR LENGTH OF PRODUCT CAN VARY PER INDIVIDUAL PRODUCT. ACCORDINGLY, ALL TECHNICAL DATA SHOWN IN THIS DATASHEET IS GIVEN FOR GUIDANCE PURPOSES ONLY. THE COMPANY DOES NOT WARRANT THAT THE PRODUCT WILL MATCH THE TEST RESULTS EXACTLY AND THE COMPANY ACCEPTS NO LIABILITY SHOULD THE PRODUCT NOT MATCH THE STATED FIGURES.
- iii. THE COMPANY ACCEPTS NO RESPONSIBILITY FOR ANY LOSS AND / OR DAMAGE OF ANY NATURE WHATSOEVER ARISING FROM THE USE AND / OR RELIANCE ON INFORMATION CONTAINED IN THIS DATASHEET.

Due to continuous product development and improvements, specifications set out in this Catalogue are subject to change without notice.