

## SHIELDED TWISTED PAIR CONTROL CABLE



<b>PART NUMBER:</b>	MGS221P-RS485
<b>DESCRIPTION:</b>	2/ 22 Standard Tinned Copper Wire
<b>CONSTRUCTION:</b>	This cable consists of stranded tinned copper insulated conductors and an overall jacket.

### Construction Parameters :

<b>Conductor:</b>	22 AWG stranded tinned copper
<b>Stranding:</b>	7 / 0.250mm tinned copper
<b>Insulation Material:</b>	FPE
<b>Nom. Insulation Thickness:</b>	0.66mm
<b>Insulated Conductor Diameter:</b>	2.10mm
<b>Number of Conductors:</b>	1 pair
<b>Jacket Material:</b>	PVC
<b>Jacket Thickness:</b>	0.95mm
<b>Nom. Overall Cable Diameter:</b>	6.70mm
<b>Twist Per:</b>	13 twists per 1 meter

<b>Drain Wire:</b>	22 AWG stranded tinned copper
<b>Construction:</b>	7/ 0.25mm
<b>Braiding:</b>	90% coverage tinned copper

### Electrical Properties :

<b>Voltage Test:</b>	2000V a.c/ 1 min
<b>DC Resistance per Conductor:</b>	55.0 Ohm/km
<b>Capacitance between conductors @ 1 KHz:</b>	50 pF/Km. Nom
<b>Nom. Impedance:</b>	120 $\Omega$

### Physical Properties :

<b>Operating Temperature Range:</b>	-15 °C to 80 °C
<b>NEC /(UL) Specification:</b>	CM

**Insulation Colors :** Black, White

**Jacket Color :** Black

### Application:

The screen twisted data cable (TAE) is used for measuring, signaling, communicating and controlling purpose in various industries such as control panels, electronic devices, low voltage apparatus and communication building networks. The screen twisted cores reduce mutual influences from neighboring circuits. Product advantages: flexible, small outer diameter and small bending radius.