

SHIELDED TWISTED PAIR CONTROL CABLE



PART NUMBER:	MGS181P-RS485
DESCRIPTION:	2/ 18 Standard Tinned Copper Wire
CONSTRUCTION:	This cable consists of stranded tinned copper insulated conductors and an overall jacket.

Construction Parameters :

Conductor:	18 AWG stranded tinned copper
Stranding:	7 / 0.40mm tinned copper
Insulation Material:	FPE
Nom. Insulation Thickness:	0.98mm
Insulated Conductor Diameter:	3.20mm
Number of Conductors:	1 pair
Jacket Material:	PVC
Jacket Thickness:	0.95mm
Nom. Overall Cable Diameter:	9.00mm
Twist Per:	13 twists per 1 meter

Drain Wire:	20 AWG stranded tinned copper
Construction:	7/ 0.3mm
Braiding:	90% coverage tinned copper

Electrical Properties :

Voltage Test:	2000V a.c/ 1 min
DC Resistance per Conductor:	21.6 Ohm/km
Capacitance between conductors @ 1 KHz:	45 pF/Km. Nom
Nom. Characteristic Impedance:	120 Ω \pm 15 Ω

Physical Properties :

Operating Temperature Range:	-15 °C to 90 °C
NEC /(UL) Specification:	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.