

## DeviceNet Drop Cable



### Technical data

- **Cable weight:** 67.0 kg/km
- **Copper weight:** 35.0 kg/km
- **Minimum bending radius for laying:** 110.0 mm
- **Temperature range:** -20 °C to +80 °C

### Electrical data

- **Characteristic impedance:** 120 Ohm +/- 10%
- **Conductor resistance:** 90.0 Ohm/km
- **Insulation resistance:** 0.20 GOhm x km
- **Mutual capacitance:** 39.8 nF/km nom.
- **Test voltage:** 2.0 KV
- **Attenuation:**

125 kHz	<0.95	dB/100m
500 kHz	<1.64	dB/100m

### Standard:

- ODVA DeviceNet

### Application

The cable is designed to connect actuators, sensors, and switching to the DeviceNet™ on the Allen Bradley DeviceNet™ system. Several sheathing options are available for different installation environments.

### Cable structure

- Fixed installation, indoor 1 x 2 x AWG 24 + 1 x 2 x AWG 22
- Data pair conductor: tinned copper (AWG 24)
- Power pair conductor: tinned copper (AWG 22)
- Data pair insulation: foam-skin-PE
- Power pair insulation: PVC/PE
- Data pair core color: blue, white
- Power pair core color: red, black
- Shielding for each pair: Al-PET
- Total shielding: tinned copper braiding and drain wire
- Outer sheath material: PVC/LSOH/PUR
- Cable external diameter: 6.9 mm