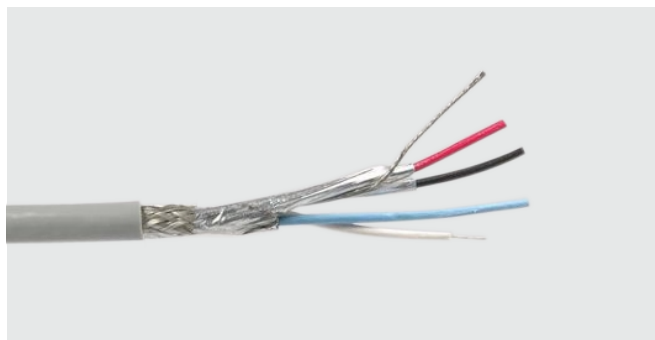


# 1 Pair 16 AWG & 18 AWG Shielded Multiconductor DeviceBus Cable



NORDEN Multi conductor individual Screened pair cable is suitable to use as DeviceBus for ODVA DeviceNet. This cable is constructed with PVC & FPE insulation for both pair conductor. Al foil-polyester tape screen & tinned Copper shielding is used with PVC Outer Jacket.



## CABLE CONSTRUCTION

**Conductor**  
Tinned Copper

**Inner Shielding**  
100% Aluminum  
Foil-Polyester Tape

**Drain Wire**  
Tinned Copper

**Insulation**  
PVC (Polyvinyl Chloride)  
FRPP (Flame Retardant Polyethylene)

**Outer Jacket**  
PVC

**Outer Shielding**  
65% TC Braid

## PHYSICAL CHARACTERISTICS

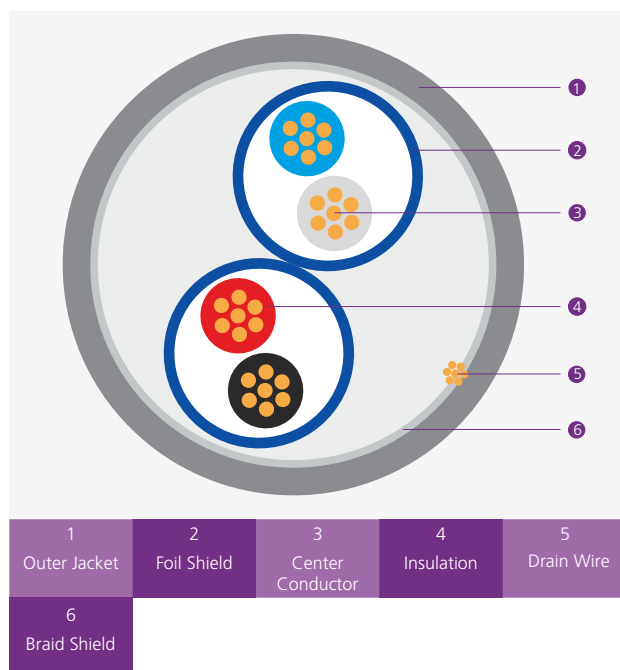
Characteristic	Value
Conductor Size (pair 1)	16 AWG, 19x29
Conductor Size (pair 2)	18 AWG, 19x30
Drain Wire Size	16 AWG, 19x29
Outer Jacket Diameter	13.3 mm
Jacket Colour	Grey

## ELECTRICAL & MECHANICAL CHARACTERISTICS

Characteristic	Unit	Value
Nom. Characteristic Impedance (18 AWG)	$\Omega$	120
Nom. Capacitance Cond. to Cond. (18 AWG)	pF/m	48.3
Nom. Velocity of Propagation (18 AWG)	%	64
Max. Delay (18 AWG)	ns/m	5.26
Nom. Conductor DC Resistance @20°C (16 AWG)	$\Omega/100m$	16.1
Nom. Conductor DC Resistance @20°C (18 AWG)	$\Omega/100m$	22.6
Nom. Outer Shield DCR @20°C	$\Omega/Km$	5.92
Maximum Operating Voltage	V <sub>rms</sub>	600

## MECHANICAL CHARACTERISTICS

Characteristic	Value
Minimum Bend Radius	127 mm
Max. Recommended Pulling Tension	845 N
Operating Temperature	-20°C to +75°C



# 1 Pair 16 AWG & 18 AWG Shielded Multiconductor DeviceBus Cable



## INSULATION COLOUR CODE

Individual Pair	Colour
Pair 1 (16 AWG)	Red and Black
Pair 2 (18 AWG)	Blue and White

## ORDERING INFORMATION

Product	Description	Net Weight (Kg/Km)
92-144122111X	1 Pair 16 AWG & 18 AWG Shielded Multiconductor DeviceBus Cable , 305m	201