

UNITRONIC® BUS PA SWA



Info

- Process Automation (PA)
- PROFIBUS



Benefits

- PROFIBUS-PA with Steel Wire Armouring

Application range

- Designed for the system-defined transmission rates of 1.5 Mbs, and 31.25 KHz suitable for RS 485
- Suitable for direct burial and permanent installation in harsh and rugged environments
- Suitable for oil and gas, petrochemical, pharmaceutical industry
- For indoor and outdoor use

Product features

- Transmission technology for PROFIBUS-PA in acc. to IEC 61158-2 Standard
- Blue outer sheath colour for intrinsically safe system in hazardous area
- Flame-retardant acc. to IEC 60332-1-2
- UV-resistant (for black outer sheath)

Approvals (Norm references)



Product Make-up

- Stranded bare copper conductor
- Foam PE core insulation
- Aluminium mylar tape screened
- Tinned copper wire braiding
- Galvanized steel wire armoured
- PVC inner sheath, black or blue
- PVC outer sheath
- Colour: black, RAL 9005 or blue, RAL 5015

Technical data

- Core identification code**
red, green
- Mutual capacitance**
Approx. 52 nF/km, at 800 Hz
- Peak operating voltage**
max. 100 V (not for power applications)
- Conductor resistance**
(loop): max. 44 ohm/km
- Minimum bending radius**
10 x cable diameter
- Test voltage**
1500 V
- Characteristic impedance**
at 31.25 kHz: 100 +/- 20 Ohm
- Temperature range**
-30°C to +70°C

Article number	Number of pairs and cable diameter per conductor in mm ²	Outer sheath colour	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
UNITRONIC® BUS PA SWA					
3803158	1 x 2 x 1.0	black	12.8	45	152
3803159	1 x 2 x 1.0	blue	12.8	45	152

Photographs are not to scale and do not represent detailed images of the respective products.