



6630-9003 SPECIAL SABIX PB 630 FRNC 2XAWG22 Black

FICHE
TECHNIQUE
PRODUIT

Rédaction : CA

Vérification : CV ou CA

Date :le 11/02/2013

Révision :1



1 **Application:**

Profibus cable designed for marine application.

2 **Construction:**

Conductor : bare copper wires of 0.25mm

Insulation : foamed PE

Color code : 1 green; 1 red

Pairing : together with fillers

Wrapping : Alu tape

Shielding : Tin plated copper braid

Outer jacket : cross linked SABIX

Color : Black RAL 9005

Marking :
SAB BRÖCKSKES D-VIERSEN Special Sabix FRNC PB630 2x22AWG 6630-9003 CE

3 **Dimensions:**

Outer Ø in mm at ± 5%	cable weight in kg/km	Copper weight in kg/km	Number of cores	Cross Section
8	73	31.3	2	AWG 22

4 **Characteristics:**

Peak Voltage : 350 V max

Temperature range : -20/+70°C

Insulation resistance : $\geq 500\text{M}\Omega\cdot\text{km}$ (following EN50289)

Capacity :
Core/core : 30 nF/km approx. (following EN50289)
Core/shield : 56.3 nF/km approx (following EN50289)

Impedance (3-20MHz) : 147 Ω (following EN50289)



6630-9003
SPECIAL SABIX PB 630 FRNC
2XAWG22 Black

FICHE
TECHNIQUE
PRODUIT

Rédaction : CA

Vérification : CV ou CA

Date : le 11/02/2013

Révision : 1

Attenuation
(following EN50289)

Frequency (MHz)	Attenuation (dB/100m)
1	1.3
3	2.2
5	2.8
10	3.9
15	4.7
20	5.4

Loop resistance DC : 102.4 Ω /km (following EN50289)

Minimum bending radius :

Fixe : 5 x \emptyset
Flexible : 10 x \emptyset

Fire Behavior :

Toxicity and smoke density : following IEC 60754-2
Flame retardant : following IEC 60332-1 and IEC 60332-2
Fire retardant : following IEC 60332-3
Self extinguishing

Special Characteristics:

Oil resistant
Halogen free following IEC 60754-1
UV resistant
Sea water and sea fog resistant
Good EMC