

# SBC-00 Dyneema reinforced backbone cable

#### **Basic characteristic**

- ▲ SBC-00 is indoor / outdoor backbone cable providing interconnection between sensors for longer distances or to connect to the interrogator.
- ▲ It is configurable up to 24 fibers that can be terminated on both sides with FC/APC or other types of connectors.
- ▲ SBC-00 fits well also with WCB-01 Connection box.
- ▲ SBC-00 contains strain relief and water-resistant elements designed for usage in harsh environments and real field applications.



# **Temperature range**

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### Cable parameters

Jacket material / construction / diameter Fiber count / type Bend radius (long term) Bend radius (short term) Tensile strength Crush resistance Attenuation Weight PE Black, Dyneema reinforced cable / 6.7mm up to 24-fibers / Corning SMF28 Ultra 10x cable diameter (no load) 15x cable diameter (load) 1750N 1750N 1750N 40,30 dB/km 33g / mtr	Cable parameters				
Bend radius (long term)  Bend radius (short term)  Tensile strength  Crush resistance  Attenuation  10x cable diameter (no load)  15x cable diameter (load)  1750N  1750N  20,30 dB/km	Jacket material / construction / diameter		PE Black, Dyneema reinforced cable / 6.7mm		
Bend radius (short term)  Tensile strength  Crush resistance  Attenuation  15x cable diameter (load)  1750N  1000N/100mm  <0,30 dB/km	Fiber count / type		up to 24-fibers / Corning SMF28 Ultra		
Tensile strength Crush resistance Attenuation  1750N 1000N/100mm <0,30 dB/km	Bend radius (long term)		10x cable diameter (no load)		
Crush resistance 1000N/100mm Attenuation @1550nm <0,30 dB/km	Bend radius (short term)		15x cable diameter (load)		
Attenuation @1550nm <0,30 dB/km	Tensile strength		1750N		
- '	Crush resistance		1000N/100mm		
Weight 33g / mtr	Attenuation	@1550nm	<0,30 dB/km		
	Weight		33g / mtr		

### **Connector parameters**

Connector type 1)	FC (APC)
Insertion Loss / Return Loss	<0,25dB / >60dB

<sup>1)</sup> Other connector types available on request

# **Packaging**

Typically provided on drum

# **Quality statement**

All products are 100% tested and calibrated at SYLEX
All products are manufactured according to ISO 9001:2008 and ISO 14001:2004

For more information contact our sales team at sales@sylex.sk

\* Specifications are subject to change without notice