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TECHNICAL DATA SHEET

EVOCAB STING

Cable protection pipes for trenchless installations

Conformity:
EN 50626-2
DIN 8074/8075
GW 321

PRODUCT DESCRIPTION

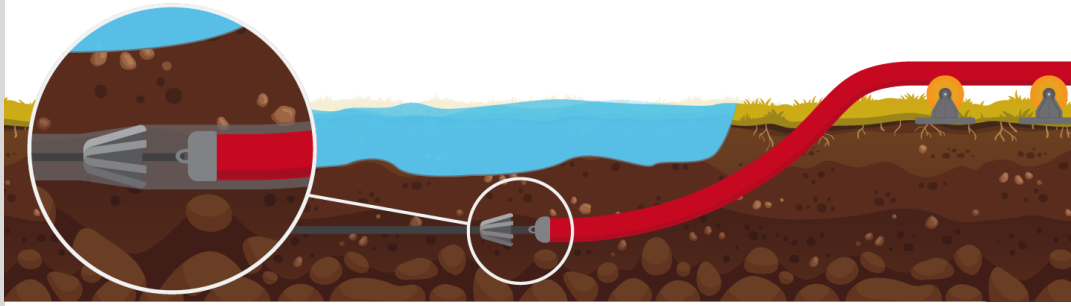
EVOCAB STING cable protection pipes for trenchless installations are made of a high density polyethylene. Special manufacturing processes ensure high compression and impact strength properties. The pipe has a smooth inner and outer surface.
Material: HDPE (high density polyethylene), impact resistance code N,
temperature range - 25°C to +90°C.
Cable protection pipe is produced according to: DIN 8074/8075; EN 50626-2
Installation according to: GW 321.





APPLICATION AREA

The STING pipes are made of a rigid material and designed so that they can withstand loads caused by soil and vehicles. Cable protection pipes can be used to protect and insulate underground cables installed by the method of directional drilling.
They are especially suitable for use in systems requiring a high compression strength, e.g. under roads, squares, etc.



Nominal ring stiffness:
SN16
Impact resistance:
N (normal)
MRS class: 10
Material: PE100

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PRODUCT DIMENSIONS

Nominal outside diameter, mm	Pipe wall thickness based on SDR class, mm					Length, m
	17,6	17	13,6	11	9	
50	2.9	3	3.7	4.6	5.6	6/50/100/150/200/300/400/500/1000
63	3.6	3.8	4.7	5.8	7.1	6/50/100/150/200/300/400/500
75	4.3	4.5	5.6	6.8	8.4	6/50/100/150/200/300/400/500
90	5.1	5.4	6.7	8.2	10.1	6/12/13.4/50/100/150/200
110	6.3	6.6	8.1	10	12.3	6/12/13.4/50/100/150/200
125	7.1	7.4	9.2	11.4	14	6/12/13.4/50/100
160	9.1	9.5	11.8	14.6	17.9	6/12/13.4/18/20/50/100
180	10.2	10.7	13.3	16.4	20.1	6/12/13.4/18/20/50
200	11.4	11.9	14.7	18.2	22.4	6/12/13.4/18/20/50

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PHYSICAL AND MECHANICAL PROPERTIES

Parameters	Characteristics	Compliance with standards
Material	PE100	
Temperature range, min/max, °C	–25 °C .. +90 °C	
Impact resistance class	N (Normal)	EN 50626-2
Nominal ring stiffness class (SN)	SN16	EN ISO 9969:2016
Performance Time (PT)	PT 100	EN ISO 1167-1:2006 EN ISO 1167-2:2006
Short-term pressure resistance	2h/12bar	EN ISO 1167-1:2006 EN ISO 1167-2:2006
Performance at low temperatures	–10 °C	EN ISO 11173:2017
IP protection rating	IPX69*	EN 50626-2
Maximum pulling force	Specifically calculable	ISO 5893:2019

*6 - Protection against ingress of solid foreign objects
9 - Protection against ingress of water

EXAMPLE OF PIPE MARKING

Aspect	Marking
Compliance with the standard	EN 50626-2
Manufacturer	EVOPIPES
Product designation	EVOCAB STING
Pipe outside diameter, mm	DN/OD 110
Standard Dimension Ratio (SDR)	SDR 11
Polyethylene (PE) material classification	CO-EX PE100
Performance Time (PT)	PT100
Impact resistance class	N
Nominal ring stiffness class (SN), kN/m²	SN16
Date of manufacture	dd/mm/gg
Impact tests performed at -10°C	❄
Short-term pressure resistance test performed	2h/12bar
Maximum pulling force	MAX 31,4 kN

Nominal ring stiffness:
SN16
Impact resistance:
N (normal)
MRS class: **10**
Material: **PE100**

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