

# TECHNICAL DATA SHEET

## EVOTRAY

Cable ducts

### PRODUCT DESCRIPTION

EVOTRAY cable ducts allow you to build cable systems quickly and cost-effectively with the possibility to replenish the amount of cables in them over time, perform maintenance, replacement of damaged cables. Ideal for expanding infrastructure construction conditions. Quick installation process is particularly useful with short closing times or on difficult ground. Its structural design ensures that it is very stable despite of its low weight and it provides cables with effective protection against external influences. When installed the ends of the covers overlap (it is still possible to open a single cover in a formation), which prevents soiling from outside. Cable ducts can be connected with DN/OD 90 mm cable protection pipes. By using earth nails EVOTRAY can be anchored to the ground as well. If necessary it is possible to produce elbows and elevation accessories for cable duct track.

### APPLICATION AREA

EVOTRAY plastic cable duct has been specially developed for laying signal and communication cables along railway tracks, and at airports, power plants and industrial installations.

### PRODUCT PARAMETRES

	Type 1	Type 2
Length	approx. 1000 mm	approx. 1000 mm
Width (int. / ext.)	100 mm / 200 mm	240 mm / 340 mm
Height (int. / ext.)	155 mm / 230 mm	155 mm / 230 mm
Weight	approx. 7kg	approx. 9 kg
Material	Polypropylene reinforced composite material, UV stabilized	
Fire behaviour	Fire protection class K1 in accordance with DIN 53438-2 (self-extinguishing)	
Thermal characteristics	Stable in the temperature range from -30°C to +95°C (max. 0,5% variation (length / width / height))	
Electrical characteristics	Compliance DIN EN IEC 60243-1 (VDE 0303)	
Breakdown voltage	49.5 kV AC / mm	
Dielectric strength	22.9 kV AC / mm	
Mechanical data	Load capacity of 15kN — without breakage	DIN EN 1443

