

TECHNICAL DATA SHEET



EVODUCT RHDPE

Cable protection pipes

Conformity:
EN 61386-1
EN 61386-24

PRODUCT DESCRIPTION

EVODUCT RHDPE cable protection pipes, with red outer layer are meant for underground installations. Pipes outer layer is produced using PE100 material for safe electro fusion welding and recycled high density polyethylene (RHDPE) in inner layer. Special manufacturing processes ensure high compression and impact strength properties. The pipe has a smooth inner and outer surface.

Material: CO-EX produced outer layer from virgin PE100 material (~10% of wall thickness), interlayer made from RHDPE (recycled high density polyethylene, ~ 90% of wall thickness).

APPLICATION AREA

EVODUCT RHDPE pipes are made of a rigid material and designed so that they can withstand loads caused by soil, concrete and traffic, pipes can be used to protect and insulate underground cables.

They are especially suitable for use in systems requiring a high compression strength, e.g. under roads, squares, etc. Pipes can be connected with double sockets, using electro fusion welding or contact welding. In case of contact welding not all connections can succeed due to the specifics of RHDPE.

Customers who are willing and able to control the risks that are related to RHDPE materials, can use these pipes also using trenchless installation methods, using horizontal drilling installation.

PRODUCT DIMENSIONS

Nominal DN/OD, mm	32	40	50	63	75	90	110	125	160	180	200	225	250	315	400
Internal ID, mm	26.0	34.0	44.0	55.4	66.0	79.2	90.0	102.2	130.8	147.2	163.6	184.0	204.6	257.8	327.4
Wall thickness, mm	3,0	3,0	3,0	3,8	4,5	5,4	6,6	7,35	9,41	10,58	11,76	13,23	14,70	18,53	23,53
SDR value	11	13,6	17	17	17	17	17	17	17	17	17	17	17	17	17

PRODUCT PARAMETERS

Value	Value	Test method
Material	10% outer layer PE100 (virgin) + 90% inner layer RHDPE	
Temperature resistance, min/max °C	-25 .. +90 °C	
Combustion (reaction to fire)	Combustible	EN 61386-1
Impact strength code	N	EN 61386-24
Compression strength, N	1250	EN 61386-1

Compression strength:
1250N
Impact resistance:
N (normal)
Material:
CO-EX mix RHDPE