

# TECHNICAL DATA SHEET

TDS-1/ISO KP-10



## EVOCAB SUPERHARD N1250 reinforced double-wall cable conduits

### SPECIFICATION:

#### Product description:

EVOCAB SUPERHARD 1250N reinforced double-wall cable conduits are designed for underground high-voltage cable lines. Due to the physical properties of polypropylene and the special structure of the conduits, these conduits feature high compression strength (1250 N) and high impact strength.

EVOCAB SUPERHARD 1250N conduits have structured walls: they have corrugated outside and feature high compression strength properties thanks to their special profile. The smooth inner surface of the conduit ensures easy pulling of cables. Due to their special structural properties, these conduits are lighter, but more rigid, as well as more impact-resistant than the conventional smooth-wall conduits. The conduit system consists of DN 110, 160, 200, 250, 315, 400 mm conduits (DN=OD, nominal outer diameter) as well as unified connecting elements of the conduit system (couplers, elbows, end covers, reducers). The conduits are supplied in straight 6 m bars (+ coupler). The standard colour of the conduits is red (RAL 3020). Other colours are available on request. The conduit system ensures water tightness up to 0.5 bar.

#### Application:

Long-term protection of cables in high-load conditions.

#### Advantages:

- High compression strength which allows to install the conduits at shallower depths, thereby shortening the installation time and optimising the costs
- Easy, safe, and fully hermetic coupling of the conduits
- High impact strength is maintained even at the lowest temperatures
- Chemically inert, with high corrosion resistance
- Service life: minimum 50 years.

### TECHNICAL DATA:

PRODUCT PARAMETERS						
MATERIAL	PP polypropylene					
OUTER Ø [mm]	110	160	200	250	315	400
INNER Ø [mm]	93.8	138.9	174.6	215.9	274.1	349.8
Pack [m]	180	156	192	48	36	18
Truck load [m]	5040	2016	1440	768	432	360
Code	225110006RD	225160006RD	225200006RD	225250006RD	225315006RD	225400006RD
PHYSICAL AND MECHANICAL PROPERTIES						
DENSITY	910 g/cm <sup>3</sup>					
COMPRESSION STRENGTH (ACCORDING TO EN 61386-24)	1250 N					
TEMPERATURE RESISTANCE	No -40°C līdz +95°C					
ELASTICITY MODULUS	1300–1750 MPa					

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