

TECHNICAL DATA SHEET



EVODUCT STANDARD DN110

Optical cable conduits

PRODUCT DESCRIPTION

These rigid, high-density polyethylene (HDPE) cable conduits come standard with a smooth inner and outer surface, intended to be used for optical cable and communication cable systems, as well as for cable protection and isolation.

The standard conduits are inside black and outside red with 4 (every 90°) white single longitudinal lines along the entire length.

Material: PEHD (high density polyethylene), impact resistance code N, compression strength 1250N, temperature resistance from - 25°C to +90°C.

Conduit produced according to: EN 61386-1; DIN 8074/8075; EN 61386-24 specifications.

APPLICATION AREA

When constructing ground-buried optical cable and communication cable systems, the best solution in ensuring a long-term protection of the cables is rigid plastic conduits. The conduits can be buried directly in the soil, in concrete, or through water barriers, in concrete pipes, channels and blocks, along bridges and flyovers. The conduits are used for the installation of optical fibre cables employing traditional installation methods - pulling with a cord or blowing, laying pipes in ground using trenchless methods or laying pipes in open trench.

PRODUCT DIMENSIONS

Nominal size	110
Outside OD, mm	110.0
Inside ID, mm	96.8
Wall thickness, mm	6.6
Straight length, m	100

PRODUCT PARAMETERS

Parameter	Value	Test method
Material	HDPE	IEC 60754-1
Combustion	Combustible	EN 61386-1
Impact strength code	N	EN 61386-24
Compression strength, N	1250	EN 61386-24
Temperature resistance, max/min C°	+95/-25 C°	EN 61386-1
Temperature stability, 110°C 1h	≤3%	EN ISO 2505
Resistance to internal pressure, 20°C 1.0MPa	Min 100 h	EN ISO 1167
Recommendation for installation by blowing	Air pressure range: 0.8-1.2 MPa	
	Air flow range: 10-12 m³/min	

Compression strength:
1250N

Impact resistance:
N (normal)