

# TECHNICAL DATA SHEET



## EVODUCT Optical cable conduits

Conformity:  
EN 61386-1  
EN 61386-24  
DIN8074/8075

### PRODUCT DESCRIPTION



These rigid, high-density polyethylene (HDPE) cable conduits come standard with a smooth outer surface and one of the following inner surfaces– for STANDART inner surface is smooth but for GROOVE the inner surface is ribbed. The standard conduits are black or orange, with 4 (every 90°) white single or double longitudinal lines along the entire length. The conduits bear a white thermal labelling located at 1 m intervals.

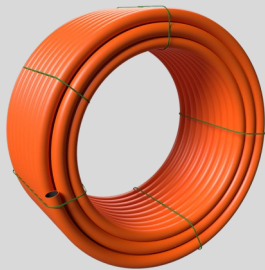
Material: PEHD (high density polyethylene), impact resistance code N, compression strength 750N, temperature resistance from -40°C to +90°C.

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.



### PRODUCT DIMENSIONS

Outside OD, mm	25.0	32.0	32.0	40.0	40.0	50.0	50.0	63.0	63.0
Inside ID, mm	20.4	27.6	26.0	34.0	32.6	44.8	40.8	55.8	51.4
Wall, mm	2.3	2.2	3.0	3.0	3.7	3.0	4.6	3.6	5.8
SDR class	11	13.6	11	13.6	11	17	11	17	11
Standard length, m	500	300	1000	1000	1000	500	500	400	600
Bend radius, ≥m	0.5	0.64	0.64	0.8	0.8	1.0	1.0	1.26	1.26

Compression strength:  
**750N**

Impact resistance:  
**N (normal)**

**Open product**

### PRODUCT PARAMETERS

Parameter	Value	Test method
Material	HDPE	
Combustion	Combustible	EN 61386-1
Impact strength code	N	EN 61386-24
Compression strength, N	750	EN 61386-24
Temperature resistance, min/max °C	-40...+95 °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	