



Field of application:
PE Pipes for electrical conduits & cable ducting.

Material/Design Stress:
HDPE for MEDIUM DUTY (class. 3432)

Colour:
Translucent with wide Orange stripes
(app. RAL 2004)

Standard Length:
Coils in 50 & 100m Other lengths on request.

WHY Swapping to the New Generation of Translucent Polyconduit.

The major question that arises is why the transition from opaque to translucent. If you can see through something, is it opaque, translucent, or transparent?

All three of these adjectives describes the amount of light that can pass through something: all light, some light, or no light. The opaque allows no light, whereas the translucent option allows some light to pass through and increases the visibility within the pipeline.

STR once again leads the path with this innovative solution. Considering the strong and very competitive market of existing Polyconduit and after introducing low-cost Polyconduit Orange, we once again takes the lead to differentiate our products on the market by introducing Polyconduit-G2.

This is a common practice in EU countries where PE ducts for EI. & communications cables are manufactured with natural/colourless material & translucent with orange colour stripes.

Advantage:

- Manufactured with 100% virgin PE material with no recycled contamination which reduce the duct electrical insulation properties.
- The duct is "Heavy metals free" since coloring pigments (usually containing heavy metals) are reduced down to the EU REACH requirements for environment protection.
- The duct being translucent allow visual check of cable presence during installation/ cable laying.

Polyconduit-G2 is supplied at the price of standard (outdated) Polyconduit PE ducts which eventually will be withdrawn in a near future.

General Technical Characteristics

Dimensions
Nominal outside diameters
Wall Thickness

Mechanical Characteristics

Resistance to Compression
Resistance to Impact

According to temperature

Lower temperature
Upper temperature

Standard Requirements

as per MS IEC 61386/22
Clause 8.2 Table 101 size only
Annex B B.1 MS IEC 61386-1

Clause 10.2 Table 4 MS IEC 61386-1- Duty: Medium (750N)
Clause 10.3 Table 5 MS IEC 61386-1- Duty: Heavy

Clause 6.2.1 Table1 MS IEC 61386-1 -15°C
Clause 6 2.2 Table2 MS IEC 61386-1 +90°C

as per
MS IEC 61386/22

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MS IEC 61386/22		Duty: 750N		
Ø mm	ITEM CODE	W.THICKNESS		
		MIN.	MID.	MAX.
16	PCMD050-16	1.8	1.85	1.9
20	PCMD050-20	2.1	2.15	2.2
25	PCMD050-25	2.4	2.45	2.5
32	PCMD050-32	2.9	3	3.1

Manufactured by STR Marketing Ltd
Certified MS ISO 9001:2015 / Carbon Footprint independently verified by ETC-Africa. A member of the Carbon Protocol of South Africa.