

MAUNT®

M00001162
Multiduct 7x14/10mm, turquoise (ODF)



Description

More and more homes in the Netherlands are being connected to fibre optics. This means that almost every house or building is rapidly being fitted with a fibre connection or being prepared for a fibre connection. To this end, Maunt supplies a special tube, a composite Direct Buried tube. Unlike the traditional HDPE fibre-optic cable protection tube, for example one large tube with a diameter of 40mm or 50mm, the multiduct tube is a composition of several smaller thick-walled tubes wrapped in a PE jacket. The tubes are laid empty in the ground (Direct Buried) and are directly usable for blowing in fibre-optic cables. The tubes have a service life of up to 50 years.

Brand

Afripipes



Coat specifications

Wall thickness	0.6 mm
Imprint	Open Dutch Fiber - 0881633601 - 7x14/10mm DB - Afripipes (by Maunt) - M00001162 - {Batch Number} - {Production date} - {Length' m}
Coat colour	Turquoise UV stabilised

Technical specifications (jacket)

Material	Polypropylene
Density	$\geq 900 \text{ kg/m}^3$
Melting index(5kg-190°C)	6.5/230° g/10min (ISO 1133)
Flow tension	$>15 \text{ N/mm}^2$
Stretch at break	$>350\%$
Hardness (0°C)	$>60 \text{ Shore D}$
Bending radius (during laying/installation)	$<20\text{x outside diameter}$
Maximum Tensile force	$\geq 5000 \text{ N}$
Skull pressure	$\geq 1000 \text{ N/dm}$
Pressure resistance	Maximum operating pressure of 10 bar in accordance with NEN-EN921 and ISO 1167 (peak load up to 16 bar)
Impact resistance	Impact force of 15.3 Nm at a temperature of 20°, in accordance with NEN-EN 744
Softening point	$>140^\circ\text{C}$
Transition tough/bros	$<-20^\circ\text{C}$
Processing temperature	Between -10°C and $+50^\circ\text{C}$
Operating temperature	Between -20°C and $+60^\circ\text{C}$
Storage and transport temperature	Between -10°C and $+50^\circ\text{C}$

Tube specifications

Outer diameter	Minimum 14.0 mm and maximum 14.1 mm
Inner diameter	≥9.8mm, grooved
Profiling	Equipped with internal longitudinal groove (groove height +/-0.30mm), to reduce resistance between cable and tube during the reducing the insertion of the cable
Colour tubes	Red, white, yellow, blue, green, violet and brown
Imprint	According to customer specification: 14/10 mm, manufacturer name, batch code no., length indication in metres
Finish	Smooth, clean and even in colour, as well as free from blisters, scratches, cavities, holes, soiling or other defects. The pipe ends are smooth and squared.

Technical specifications (tube)

Material	100% HDPE solid, no recycling material
Density	≥ 940 kg/m ³
Melting index (5KG- 190 °C)	0.35-1.10 g/10min (ISO 1133)
Flow tension	>15 N/mm ²
Stretch at break	>350%
Hardness (0°C)	>60 Shore D
Bending radius	<20x outside diameter
Maximum Tensile force	≥500 N
Skull pressure	≥1000 N/dm
Pressure resistance	Maximum operating pressure of 10 bar in accordance with NEN-EN921 and ISO 1167 (peak load up to 16 bar)
Impact resistance	Impact force of 15.3 Nm at a temperature of 20°, in accordance with NEN-EN 744
Processing temperature	Between -10°C and +50°C
Operating temperature	Between -20°C and +60°C
Storage and transport temperature	Between -10°C and +50°C
Blow-in cable	>1200m (96v fibre optic cable)



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