

MAUNT

M00000073

Multiduct, 7x14/10mm, orange (KPN)



Description

This Direct Buried multiduct consists of seven smaller thick-walled ducts wrapped in a PE sheath. The duct is laid empty in the ground and is ready for blowing in fiber optic cables, with a service life of up to 50 years.

Physical specifications

Material (duct)	100% solid-wall HDPE, no recycled material
Material (sheath)	Polypropylene
Density (duct)	$\geq 940 \text{ kg/m}^3$
Density (sheath)	$\geq 900 \text{ kg/m}^3$
Hardness (0°C, duct and sheath)	>60 Shore D
Elongation at break (duct and sheath)	>350%
Sheath wall thickness	0.6 mm
Duct outer diameter	Minimum 14.0 mm and maximum 14.1 mm
Duct inner diameter	$\geq 9.8 \text{ mm}$, grooved
Profiling	Internal longitudinal grooves (groove height $\pm 0.30 \text{ mm}$) to reduce friction between cable and duct during cable installation
Sheath color	Orange, UV-stabilized
Tube colors	Red, white, yellow, blue, green, violet and brown
Marking	According to customer specification: 14/10 mm, manufacturer name, batch code no., length marking in meters

Mechanical specifications

Bend radius (during laying/installed, sheath)	$< 20 \times$ outer diameter
Bend radius (during laying/installed, duct)	$< 20 \times$ diameter
Maximum tensile force (duct)	$\geq 500 \text{ N}$
Maximum tensile force (sheath)	$\geq 5000 \text{ N}$
Crush resistance (duct)	$\geq 1000 \text{ N/dm}$
Crush resistance (sheath)	$\geq 1000 \text{ N/dm}$
Impact resistance	Impact energy of 15.3 Nm at a temperature of 20°C, in accordance with NEN-EN 744
Cable blowing performance	>1200m (96-fiber fiber optic cable)

Environmental specifications

Installation 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



Classification codes and standards

Pressure resistance

Maximum operating pressure of 10 bar in accordance with NEN-EN921 and ISO 1167 (peak load up to 16 bar)