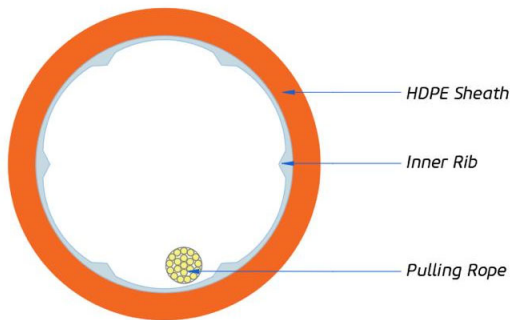




GryphonX™ Inner Spiraling Air Blown Direct Buried Duct

40/33 HDPE with Pulling Rope



UNIQUE SPIRALING FORMATION DESIGN WITHIN THE DUCT, THAT IS INSPIRED BY HOW A HIGH VELOCITY BULLET LEAVING A GUN BARREL, GREATLY IMPROVE THE AIR FLOW DYNAMICS WITHIN THE DUCT TO ACHIEVE EXCELLENT CABLE JETTING PERFORMANCE.

INNER SILICON DUCT COMPOUND REDUCES FRICTION AND ALLOWS MORE EFFICIENT AIR JETTING - INCREASING THE OVERALL INSTALLATION DISTANCE PER SETUP.

Technical data

Inner surface	Ribs in concentric direction	
Duct Material	100% original HDPE	
Ovality (before coiled)	≤5%	
Duct Material Color	Orange	
Wall Thickness (Nom.)	mm	3.55
Overall Diameter (Nom.)	mm	40.0
Pulling Rope Tensile Strength	KN	8

Physical Properties

No.	Mechanical Specification	Designed Value
1	Hardness of Outer Wall (Shore-D)	≥59
2	Internal Co-efficient of Friction	≤0.13
3	Tensile Strength at Yield	≥21MPa
4	Elongation at break	≥350%
5	Max Pulling Load	≥8000N
6	Ring Stiffness	≥50kN/m ²
7	Air Pressure	≥1.6 Mpa
8	Longitudinal Reversion	≤3.0%
9	Melt flow index	MFR(190/2.16) ≤0.5 (g/10min)
10	Environmental stress crack resist	48h

Flame Resistant

No Request

Design Reference

EN ISO 1133

ISO 1183

ISO 4599

ISO 527

Application

Applicable to direct buried for long haul telecom project.

Working Conditions

Storage Temperature

-40°C ~ +70°C

Installation Temperature:

-20°C ~ +50°C

Operation Temperature

-40°C ~ +70°C

Min. Allowable Bending Radius

400mm



11	Min. Density	0.940 g/cm3
12	Min. Tensile strength at yield:	21MPa
13	Elongation at the break	≥350%

Sheath Marking

The outer sheath is marked in 1meter intervals as follows

HERMESYS GRYPHONX INNER SPIRALING AIR BLOWN DIRECT BURIED DUCT 40/33 HDPE WW YYYY XXXXM

Shipping Information

Packing Method

Steel Drum with proper protection

Delivery Length

1 km per drum

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