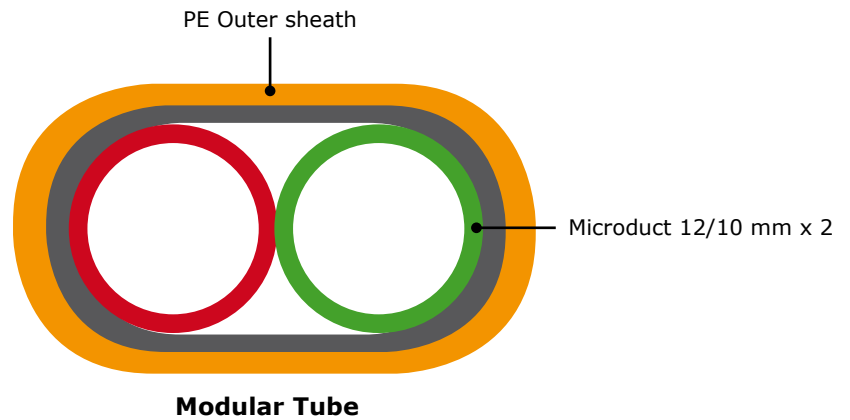


**HDPE Tube Bundle DB Series:
2-ways 12/10mm with PE Sheath 3.4mm**

**HDPE Tube Bundle DB Series:
2-ways 12/10 mm with PE Sheath 3.4 mm**

Developed to be the best solution of direct burial modular-tubes family, featuring a non-metallic construction.

A bundle of micro- or mini-tubes (regular wall size) is surrounded by dual HDPE sheath. The design makes the duct assemblies suitable for outdoor direct buried. The microducts are optimized for best cable blowing performance.



A Construction

INNER TUBES HDPE	Materials	(High-density Polyethylene)
	Diameter	12/10mm
	Color options	Red, Green (Fully colored)
	Inner surface	Ribs inner layer with silicon
	Layer	1
	Numbers	2
OUTER SHEATH	Materials	HDPE (High-density Polyethylene)
	Thickness	3.4 mm (Nominal)
	Diameter (min./max.)	30.8mm*18.8mm (±1.7mm)
	Color	Orange / Black

B Specification:

Individual Microduct:

Microduct Φ 12/10mm	Outer dia. (mm)	Wall thickness (mm)	Ovality (% , before coiled)	Max. Pulling force (N)
	12.0 \pm 0.1	1.0 \pm 0.1	\leq 5	515

Tube bundle:

	Unit	Properties
Weight	Kg/km	306
Bending radius	mm	300
Tensile strength	N	3000
Internal pressure	bar	12
Crush performance	N	2000
Outdoor exposure limit	Month	6
Maximum delivery lengths on drums	m	1000, 2000

Standard:

Crush performance	IEC 60794-1-2-E3
Tensile	IEC 60794-1-2-E1
Bend	IEC 60794-1-2-E11
Flexibility IEC 60794-1-2-E11	IEC 60794-1-2-E11

Storage:

Completed packages of the HDPE Tube Bundle on drums can be stored outdoor max. 6 months upon the date of production.

Storage temperature:	-40°C ~ +70°C
Installation temperature:	-20°C ~ +50°C
Operating temperature:	-40°C ~ +70°C