

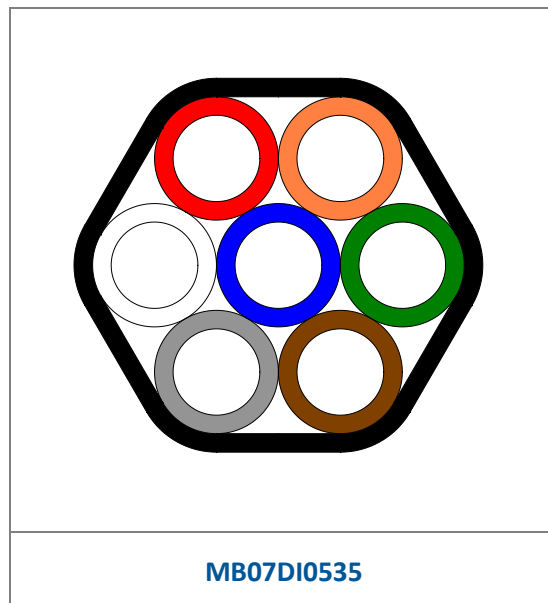
APPLICATION

The Brand-Rex MicroBlo range of Direct Install Protected MicroDucts offer up to 19 ducts in a single construction. The range has been designed to facilitate the installation of Brand-Rex MicroBlo Air Blown Fibre cables into Direct Install installations.

Brand-Rex MicroDucts are available in a variety of constructions including Direct Install, Direct Install, Flat Burial and Indoor to suit a wide range of installation environments.

FEATURES AND BENEFITS

- Up to 19 individual ducts coloured for identification - options for high density and/or future proofed installations
- Range of Duct Sizes - for compatibility with Brand-Rex MicroBlo Cables
- Low friction polyethylene duct for optimised blowing performance and superior installation distances
- High Density Polyethylene outer sheath
- Included in the Brand-Rex 25 Year System Warranty - when used in conjunction with Brand-Rex fibre connectivity



STANDARDS

Applicable Cable Standards: IEC 60794-5-10

Test Standards: IEC 60794-1-21 and IEC 60794-1-22

CONSTRUCTION IDENTIFICATION

Construction Identifier**	DI
Construction Description	Direct Install - over sheathed individual ducts suitable for Direct Install
MicroDuct Material	Polyethylene
Sheath Material	HDPE - Polyethylene
Flammability Rating	n/a – External Only
Smoke Emission	n/a – External Only
Acid Gas Emission	n/a – External Only
Colour	Orange

PHYSICAL CHARACTERISTICS

MicroDuct Type	No of MicroDucts	Nom Outer Duct Diameter (mm)	Nom Inner Duct Diameter (mm)	Nom Overall Diameter (mm)	Nom.Weight <i>M</i> (kg/km)
Direct Install DI	1	5.0	3.5	5.0	9.5
	2			11.5 x 6.5	36
	4			13.6	60
	7			16.5	96
	12			21.5	160
	19			26.5	230
	1	10.0	8.0	10.0	27
	2			21.5 x 11.5	84
	4			25.6	160
	7			31.5	280
	12			41.5	414
	1	12.0	10.0	12.0	34
	2			25.5 x 13.5	110
	4			30.0	200
7	37.5			320	

MECHANICAL CHARACTERISTICS

MicroDuct Type	No of MicroDucts	Duct Size (mm)	Max Short Term Load (N)	Min Bend Radius Installed (fixed) (mm)	Min Bend Radius during Installation (mm)
Direct Install DI	1	5.0/3.5	135N x No of MicroDucts	10 x Overall Diameter	20 x Overall Diameter
	2				
	4				
	7				
	12				
	19				
	1	10.0/8.0	380N x No of MicroDucts		
	2				
	4				
	7				
	12				
	1	12.0/10.0	465N x No of MicroDucts		
	2				
	4				
7					

TEMPERATURE PERFORMANCE

MicroDuct Type	Operational Temperature Range	Storage Temperature Range	Installation Temperature Range
Direct Install DI	-40°C to +70°C	-40°C to +70°C	-10°C to +50°C

PRINT LEGEND

Example print legend:

BRAND-REX MICROBLO PROTECTED MICRODUCTS HCA[ID number] MB07DI0535 7-WAY 5MM DIRECT INSTALL OUTDOOR
[Week/Year] [Batch number] [Length Mark]M

PACKAGING INFO

Available on request

PART NUMBER CONFIGURATOR

MB - a - DI - bc

a = Number of MicroDucts*
e.g. "**07**" for 7-Way

b = Microduct Outer Diameter
e.g. "**05**" for 5.0mm

c = Microduct Inner Diameter
e.g. "**35**" for 3.5mm

Example part number: MB07DI0535

*"Brand-Rex is **dedicated** to **designing, developing** and **manufacturing** sustainable **high performance** structured cabling and speciality **cabling solutions**"*

The information contained in this document is valid and correct at the time of issue. Brand-Rex reserves the right to modify details without notice in light of subsequent standard/specification changes and ongoing technical developments.