

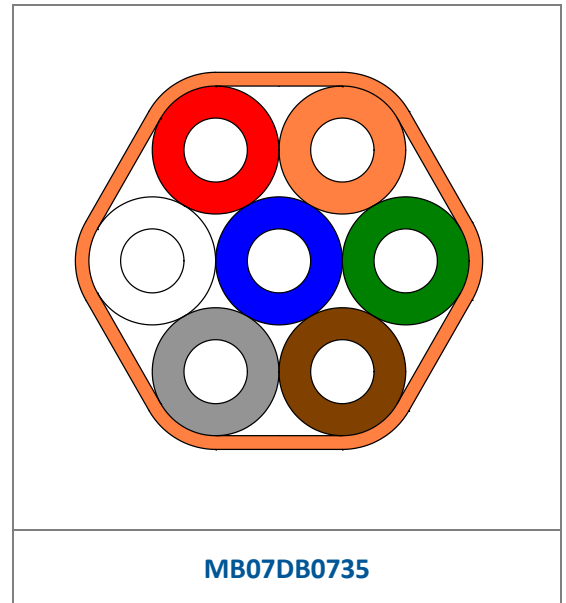
## APPLICATION

The Brand-Rex MicroBlo range of Direct Burial 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 burial installations.

Brand-Rex MicroDucts are available in a variety of constructions including Direct Install, Direct Burial, 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
- Thick wall low friction polyethylene duct for optimised blowing performance and superior installation distances
- High Density Polyethylene outer sheath
- Included in the Leviton and Brand-Rex 25 Year System Warranties when used in conjunction with Leviton or Brand-Rex copper connectivity. System warranties available for qualified projects installed by certified contractors.



## STANDARDS

**Applicable Cable Standards:** IEC 60794-5-10

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

## CONSTRUCTION IDENTIFICATION

<b>Construction Identifier**</b>	<b>DB</b>
<b>Construction Description</b>	<b>Direct Burial</b> - over sheathed individual ducts suitable for direct burial
<b>MicroDuct Material</b>	Polyethylene
<b>Sheath Material</b>	HDPE - Polyethylene
<b>Flammability Rating</b>	n/a – External Only
<b>Smoke Emission</b>	n/a – External Only
<b>Acid Gas Emission</b>	n/a – External Only
<b>Colour</b>	Orange

## PHYSICAL CHARACTERISTICS

MicroDuct Type	No of MicroDucts	Nom Outer Duct Diameter (mm)	Nom Inner Duct Diameter (mm)	Nom Overall Diameter (mm)	Nom.Weight (kg/km)
Direct Burial DB	1	7.0	3.5	7.0	28
	2			15.5	83
	4			18.4	145
	7			22.5	230
	12			29.5	372
	19			36.5	620
	1	12.0	8.0	12.0	59
	2			25.5	160
	4			30.0	305
	7			37.5	495
	1	14.0	10.0	14.0	72
	2			29.5	191
	4			35.0	370
	7			43.5	615

## MECHANICAL CHARACTERISTICS

MicroDuct Type	No of MicroDucts	Duct Size (mm)	Max Short Term Load (N)	Min Static Bend Radius (mm)	Min Short Term Bend Radius (mm)
Direct Burial DB	1	7.0/3.5	390N x No of MicroDucts	10 x Overall Diameter	20 x Overall Diameter
	2				
	4				
	7				
	12				
	19				
	1	12.0/8.0	840N x No of MicroDucts		
	2				
	4				
	7				
	1	14.0/10.0	1010N x No of MicroDucts		
	2				
	4				
	7				

## TEMPERATURE PERFORMANCE

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

## PRINT LEGEND

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Example print legend:

BRAND-REX LTD MICROBLO PROTECTED MICRODUCTS HCA[ID number] MB07DB0735 7-WAY 7MM DIRECT BURIAL OUTDOOR  
[Week/Year] [Batch number] [Length Mark]M

## PACKAGING INFO

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Available on request

## PART NUMBER CONFIGURATOR

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MB - a - DB - bc

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

**b** = Microduct Outer Diameter  
e.g. "**07**" for 7.0mm

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

Example part number: MB07DB0735

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*"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.