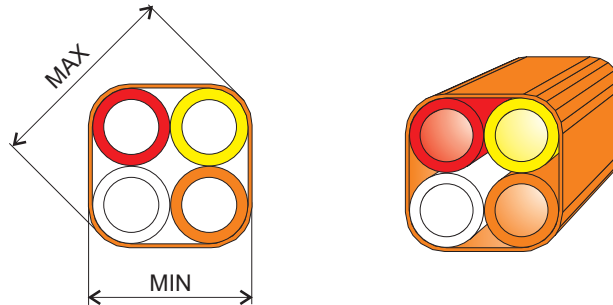# Bundle DuraMulti DB 4x7/3,5 mm - SK

DESCRIPTION, APPLICATION

Bundle of microducts DuraMulti DB is intended for protection of optical microcables. Microducts DuraMicro DB are oversheathed by foil from high density polyethylene (HDPE). Access to microducts is easy because of thin sheath, which is not attached to microducts. Wall thickness of microducts, bundle sheath and type of material classify the bundle as a Direct Burial (DB). Installation methods and conditions are described in the Installation manual.

STANDARDS

• DURA-LINE CT's quality system is certified according to EN ISO 9001:2009, EN ISO 14001:2005 and OHSAS 18001:2008
• The microduct does not contain chemicals in accordance to the Directive of the European Parliament and the Commission no. 2006/1907/EC (REACH)
• The microduct meets requirements of the Directive of the European Parliament and the Commission no. 2011/65/EU (RoHS), as amended on January 3, 2013 (RoHS II).

MATERIAL MODIFICATION

Bundle DuraMulti can be supplied in various material modifications for specific applications, containing different types of additives or their combinations:
• Standard is made of virgin HDPE material that is suitable for most telecom applications;
• UV stabilized additives increase material resistance to ultraviolet radiation. Storage time of UV stabilized products in open air can be prolonged up to 24 months at Central Europe's outdoor climatic conditions. The storage time can be further prolonged with increased dosing of UV stabilizers based on customers' specifications.
• Antistatic additives decrease bundle's electrical surface resistance
• Anti-rodent additives, based on special repellents, increase product resistance to rodents.

MARKING

Bundle DuraMulti are printed along the entire length with text according to the customer's requirements. Printing colour is in contrast to the microduct colour. Printing scheme is repeated each 1 meter along the bundle, unless specified otherwise.
Example of the printing scheme:
DURA-LINE CT DuraMulti DB 4x7/3,5 mm SILICORE 10/2014 LOT No 12345678 0000 m >|<

COLOR LIST

Bundle can be manufactured in natural translucent colour, or in wide range of solid-body colours. For standard range of colours, see the table of RAL swatch; additional colours are available on request.

2009	2003	3020	6029	6018	6017	6001	6027	5015	5021
1016	1018	1021	3015	4003	4006	8015	8017	9017	1015
7045	9003	tran							

* Additional colours are available at request.

Bundle DuraMulti DB 4x7/3,5 mm - SK

PACKING AND STORAGE

Bundle DuraMulti is supplied wound on return wooden drum of appropriate size. Upon customer request, other drums for shipping and handling the bundle can be used (plastic etc.). Bundle's ends are protected by plastic caps protecting them from impurities penetrating into microducts. The winding ends app. 10 mm below the flange edge, and is completely wrapped by a black stretch foil for UV protection.

Identification stickers are placed on the drum flange.

Additional information on suitable drum types for this product, drum dimensions and its other parameters can be found in TDS DuraMulti packaging

MECHANICAL PARAMETERS

Detailed description of methods to determine mechanical parameters are in company working standards CWS 103-2014 and CWS 104-2014 (LSHF).

Parameter	Value
Maximal dimension of cross section (MAX)	*18,4 mm
Minimal dimension of cross section (MIN)	*15,5 mm
Sheath thickness	*0,75 mm
Weight	*154 kg/km
Transport and storage temperatures	from -40°C to +70°C
Installation temperatures	from -10°C to +50°C
Operating temperatures	from -40°C to +70°C
Installation tensile force	max. 1 680 N
Min. bending radius perpendicular to MAX	184 mm
Min. bending radius perpendicular to MIN	155 mm
Outdoor exposure limit in Central Europe	max. 12 months

* informative value