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Product Datasheet MHT 345 Generic Specification Cable Ducts



General

The duct features an internal bonded low friction dry silicone liner to reduce frictional contact. The duct is supplied in coils or on drums.

Raw Materials

HDPE raw materials are used.
 Density polyethylene 0,94 – 0,96 g/cm³
 Mass flow rate of polyethylene 0,4 – 1,2 g/10min

Dimensions

Size	SDR	Mean Outside Diameter			Ovality	Wall Thickness			Mass nom g/m	Max Install Tension	
		min	NOM	max		min	NOM	max		kN	kg
16	8.0	15.6	16	16.4	1.2	2	2.0	2.4	84	0.19	19
	5.3					2.7	3.0	3.1	118	0.24	25
20	10.0	20	20	20.3	1.2	1.8	2.0	2.2	109	0.22	22
	8.69					2.3	2.3	2.7	123	0.27	28
	6.6					2.7	3.0	3.1	154	0.31	32
25	12.5	25	25	25.3	1.2	1.8	2.0	2.2	139	0.28	28
	10.9					2.1	2.3	2.4	157	0.32	33
	10					2.3	2.5	2.6	170	0.36	37
	8.3					2.7	3.0	3.1	199	0.41	41
	7.14					3.3	3.5	3.6	227	0.51	51
32	16	32	32	32.3	1.3	1.8	2.0	2.2	181	0.37	37
	14.5					2.0	2.2	2.3	198	0.41	41
	12.8					2.3	2.5	2.7	222	0.47	47
	10.7					2.7	3.0	3.1	262	0.54	54
	4.5					6.8	7.0	7.3	528	TBC	TBC
40	16	40	40	40.4	1.4	2.2	2.5	2.7	283	0.57	57
	13.3					2.7	3.0	3.1	335	0.69	69
	11.7					3.1	3.4	3.5	375	0.78	78
	10.8					3.7	3.7	4.1	393	0.65	65
	10					3.7	4.0	4.1	434	0.92	92
50	17.8	50	50	50.4	1.4	2.7	2.8	3.1	399	0.87	87
	16.7					2.9	3.0	3.3	425	0.93	93
	12.5					3.7	4.0	4.1	555	1.17	117
	10.8					4.3	4.6	4.7	630	1.34	134
63	22.5	63	63	63.5	1.5	2.7	2.8	3.1	508	1.11	111
	16.5					3.7	3.8	4.2	678	1.50	150
	12.6					4.9	5.0	5.4	875	1.94	194

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10.8	5.8	5.8	6.5	1001	2.26	226
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Size	SDR	Mean Outside Diameter			Ovality	Wall Thickness			Mass nom g/m	Max Install Tension	
		min	NOM	max		min	NOM	max		kN	kg
75	26.7	75	75	75.5	1.6	2.7	2.8	3.1	610	1.33	133
	18.75					3.9	4.0	4.5	857	1.89	189
	17.6					4.2	4.3	4.6	916	1.95	195
	12.5					5.9	6.0	6.5	1249	2.78	278
	11					6.7	6.8	7.1	1399	3.12	312
90	32	90	90	90.6	1.8	2.7	2.8	3.1	736	1.61	161
	17.6					5.0	5.1	5.6	1306	2.90	290
	11.25					7.7	8.0	8.1	1978	4.32	432
	10.9					8.1	8.2	8.6	2023	4.52	452
110	39.3	110	110	111.0	2.2	2.7	2.8	3.1	905	1.97	197
	26.2					4.2	4.2	4.8	1340	3.03	303
	16.7					6.5	6.6	7.0	2058	4.58	458
	15.5					7.0	7.1	7.6	2203	4.91	491
	13.4					8.1	8.2	8.7	2518	5.62	562
	11					10.0	10.0	10.7	3016	6.81	681
125	16.9	125	125	125.8	2.5	7.3	7.4	7.9	2625	585	585
	13.6					9.1	9.2	9.8	3213	7.19	719

For duct sizes up to and including 63mm, low friction liner is present, any size above this, there is no low friction liner present.

Diameters and thicknesses are measured to the nearest 0.1mm. Please note that the ovality will be changed at a coiled product.

The duct shall have dimensions (mm) as defined above.

The weight (mass) of the duct shall be nominally calculated for 1 m pipe:

$$(OD - wt) * wt * \pi * density$$

where:

OD (outside diameter) and wt (wall thickness) is in mm, and density for cable duct material is 0.96 g/cm³

Duct Performance		
Impact test 5kg	DS EN 61386	OK
Compression	DS EN 61386	>450N
Yield stress	EN ISO 6259	>17MPa
Ring Stiffness	EN ISO 9969	≥8kN/m ²
Longitudinal reversion	EN ISO 2505	<3%
Coefficient of friction	S201-10150	≤0.12
Leak Test	Internal	Pass

Leak test: Tested in a closed system at min. 6 bar to max. 9 bar (5 min)

Blowing pressure at installation: Short time maximum pressure: 12 bar

Minimum bend radius: 15 x outer diameter

Exposure: The ducts shall be UV stabilised to withstand daylight exposure period of at least 12 months. However, for optimum performance, the duct is best stored for no longer than 6 months if outdoors.

Temperature: Storage and transport between -15°C and +50°C, installation between -15°C and +40°C

Marking: Manufacturers name, dimensions, ID number, date – can be customized

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Environmental considerations: Can be disposed to recycling.



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