

Flexible Ducting

Technical specification 柔性风管技术规格

General: All seams and other joining works are fully welded (vulcanised) 40 mm wide. No sewing. Suspension hooks are welded to the fabric at a distance of c/c 0,75 m. On duct diameters >Ø1800 mm, two parallel lines of suspension hooks are mounted c/1,0 m. **Coupling - ZIP-joints:** Both duct ends made with a split zipper (plastic zipper) of heavy duty PVC-type. **Protection-sleeve** which on the outside hides the zipper and on the inside seals the joint according to the principle "the higher pressure the tighter joint". With ZIP-joints, the ducting is delivered on standard pallets regardless diameter.

Every duct length is marked with information regarding quality, length, diameter, max allowed working pressure and manufacturing date.

一般特征：所有的接缝、接头均全密封式焊接，焊接区域宽4mm。悬挂挂钩基布焊接在风管布上，间距c/c0.75m。直径超过1800mm的风管设置两排挂钩。第一种接头是 c/c1,0 m。

拉链式接头：风管两端均有拉链（塑料材质），为高强度PVC型。保护层：风管接头处内外层均有密封保护层，作用是管内压力越高，接头处密封越紧密，确保不漏风。带拉链式接头的风管不管直径大小，交货时均以标准托盘承载。第二种接头是

* "RS" stands for Rip-Stop. The base fabric is made with an enhanced yarn which dramatically increases the tear strength. This feature eliminates the ducting to further-tear longitudinally under normal conditions. "RS"表示加强筋，风管基布上每隔5厘米设有更高强度的筋线，这些高强度的筋线能够极大地提高风管基布的抗撕裂强度。这一特点有效防止了风管因发生小的破口而在高压风的作用下沿纵向继续向两侧撕裂延伸的现象。

	Ultralite FR-RSX* (yellow) (黄)	Titan FR-RSX* (yellow) (黄)	Airolite FR-RSX* (yellow) (黄)	Titan FRA-RSX* (black) (黑)	Airolite FRA-RSX* (black) (黑)
Base fabric 基布	Polyester 聚酯				
Yarn thickness (dtex) 线粗 (dtex)	1000/1000	2200/1430	3300/1100	2200/1100	3300/1100
Yarns/cm 线数/厘米	warp 经线	3,5	3,5 (x1430)	3,5	3,5 (x1430)
	weft 纬线	3,5	3,5 (x2200)	3,5+1	3,5 (x2200)
Coating 涂层	Plastizised PVC 塑化PVC				
Tensile strength (N/10 cm) (DIN EN ISO 1421:1998) 张紧强度(N/10 cm)	warp 经线	1800	3200	2500	3200
	weft 纬线	1800	4800	2800	4800
Tear strength (N/100 - crack 20 mm) TTT867007:1987 撕裂强度 (N)	warp 经线	800	1400	1100	1400
	weft 纬线	800	1650	1250	1650
Total weight (gram/m2) (DIN 53352) 总重量 (g/m2)	420	600	500	600	500
Flame resistance (DIN4102-B1) 是否阻燃	yes 是				
Cold crack (DIN 53361) 耐寒温度	-30°C				
Environmental resistance 工作环境	Resistant against rotting, humus acid, diesel- and nitrous gases, UV-light 抗腐烂，抗酸，抗柴油，抗硝酸铵炮烟，抗紫外线等				
Conductivity (ISO 284) 导电性	-----	-----	-----	1x10 ⁶	1x10 ⁶
Diameter (mm) 直径					
400	41,9	98,0	64,4	98	64,4
500	33,5	78,4	51,5	78,4	51,5
600	27,9	65,3	42,9	65,3	42,9
700	23,9	56,0	36,8	56	36,8
800	20,9	49,0	32,2	49	32,2
900	18,6	43,6	28,6	43,6	28,6
1000	16,8	39,2	25,8	39,2	25,8
1100	15,3	35,6	23,5	35,6	23,5
1200	14,0	32,7	21,5	32,7	21,5
1300	12,9	30,2	19,8	30,2	19,8
1400	12,0	28,0	18,4	28	18,4
1500	11,1	26,1	17,1	26,1	17,1
1600	10,5	24,5	16,1	24,5	16,1
1700	9,9	23,1	15,2	23,1	15,2
1800	9,3	21,8	14,3	21,8	14,3
2000	8,4	19,6	12,9	19,6	12,9
2200	7,6	17,8	11,7	17,8	11,7
2400	7,0	16,3	10,7	16,3	10,7
2500	6,8	15,7	10,4	15,7	10,4
2600	6,4	15,1	9,9	15,1	9,9
2800	6,0	14,0	9,2	14	9,2
3000	5,6	13,1	8,6	13,1	8,6

Note: All specifications are subject to changes without notification.