



Standard Polyethylene Spiral Binding for general applications

• SBPE

Features and Benefits

SBPE spiral binding of polyethylene is used for organising and protecting cables and hoses for general applications. Due to the spiral structure, spiral binding can be applied to cables or hoses in situ. Cables can branch out at any point and in any direction. SBPE spiral binding is available in a wide range of diameters and colours.

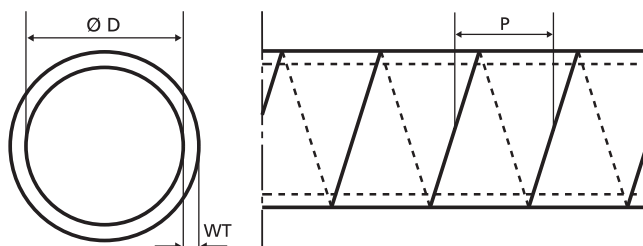


Spiral binding SBPE.

Application

SBPE spiral binding is particularly suitable for the applications in electrical industries, panel building and plant engineering. The 30-m-packaging is used for industrial applications. For smaller requirements SBPE spiral binding is also available in practical 5 metre lengths for sizes 4 and 9.

Material Data		
Material		Polyethylene (PE)
Operating Temperature		-60 °C to +90 °C, intermittent +120 °C
Flammability		UL94 HB



Technical Table

Article-No.	Type	Ø D	Wall (WT)	Pitch (P)	Bundle Ø min.	Bundle Ø max.	Colour
SBPE, 5 m - Lengths							
161-41103	SBPE4D	4.0	1.0	7.8	5.0	20.0	Natural (NA)
161-41104	SBPE4D	4.0	1.0	7.8	5.0	20.0	Black (BK)
161-41105	SBPE4D	4.0	1.0	7.8	5.0	20.0	Grey (GY)
161-41203	SBPE9D	9.0	1.4	12.5	10.0	100.0	Natural (NA)
161-41204	SBPE9D	9.0	1.4	12.5	10.0	100.0	Black (BK)
161-41205	SBPE9D	9.0	1.4	12.5	10.0	100.0	Grey (GY)
SBPE 30m lengths							
161-41000	SBPE1.5	1.5	0.8	6.0	1.6	8.0	Natural (NA)
161-41001	SBPE1.5	1.5	0.8	6.0	1.6	8.0	Black (BK)
161-41002	SBPE1.5	1.5	0.8	6.0	1.6	8.0	Grey (GY)
161-41100	SBPE4	4.0	1.0	7.8	5.0	20.0	Natural (NA)
161-41101	SBPE4	4.0	1.0	7.8	5.0	20.0	Black (BK)
161-41102	SBPE4	4.0	1.0	7.8	5.0	20.0	Grey (GY)
161-41200	SBPE9	9.0	1.4	12.5	10.0	100.0	Natural (NA)
161-41201	SBPE9	9.0	1.4	12.5	10.0	100.0	Black (BK)
161-41202	SBPE9	9.0	1.4	12.5	10.0	100.0	Grey (GY)
161-41300	SBPE16	16.0	1.6	16.0	20.0	150.0	Natural (NA)
161-41301	SBPE16	16.0	1.6	16.0	20.0	150.0	Black (BK)
161-41302	SBPE16	16.0	1.6	16.0	20.0	150.0	Grey (GY)

All dimensions in mm. Subject to technical changes.



Polyethylene Spiral Binding for enhanced flame protection

• SBPEFR

Features and Benefits

SBPEFR spiral binding flame-retardant polyethylene is used for mechanical protection of cables and hoses, wherever fire protection is important. The spiral structure allows an easy, quick and clean installation. The cable bundle is securely retained yet remains very flexible. SBPEFR is available in a wide range of diameters and two colours.

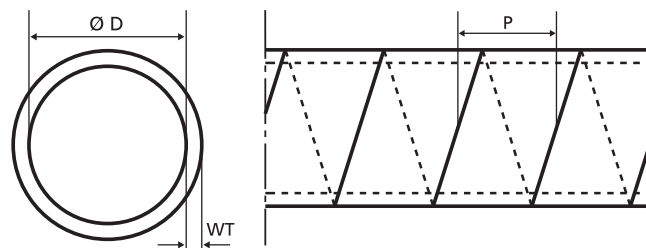
Application

SBPEFR spiral binding is used in areas, where fire protection is important in the automotive and electrical industry.



Spiral binding SBPEFR is available in a wide range of diameters and in colours black and white.

Material Data		
Material	Polyethylene (PEFR), Flame retardant	
Operating Temperature	-60 °C to +80 °C, intermittent +120 °C	
Flammability	UL94 V2, FMVSS 302 Type B	



Technical Table							
Article-No.	Type	Ø D	Wall (WT)	Pitch (P)	Bundle Ø min.	Bundle Ø max.	Colour
SBPEFR 30m lengths							
161-43000	SBPEFR1.5	1.5	0.8	6.0	1.6	8.0	White (WH)
161-43001	SBPEFR1.5	1.5	0.8	6.0	1.6	8.0	Black (BK)
161-43100	SBPEFR4	4.0	1.0	7.8	5.0	20.0	White (WH)
161-43101	SBPEFR4	4.0	1.0	7.8	5.0	20.0	Black (BK)
161-43200	SBPEFR9	9.0	1.4	12.5	10.0	100.0	White (WH)
161-43201	SBPEFR9	9.0	1.4	12.5	10.0	100.0	Black (BK)
161-43300	SBPEFR16	16.0	1.6	16.0	20.0	150.0	White (WH)
161-43301	SBPEFR16	16.0	1.6	16.0	20.0	150.0	Black (BK)

All dimensions in mm. Subject to technical changes.



Polyamide Spiral Binding for added strength and protection against abrasion

• SBPA

Features and Benefits

Spiral Binding is a general purpose solution for many bundling applications. It is used for organising and protecting cables and hoses. Spiral binding is available in a wide range of diameters, colours and materials. Flame retardant polyethylene (SBPEFR), PA6 (SBPA), PTFE (SBPTFE) versions provide protection against fire, abrasion, chemical attack and elevated temperature - please refer to material data tables.

Due to the spiral structure, it can be applied to cables or hoses in situ. Furthermore, cables can branch out at any point and in any direction.

Application

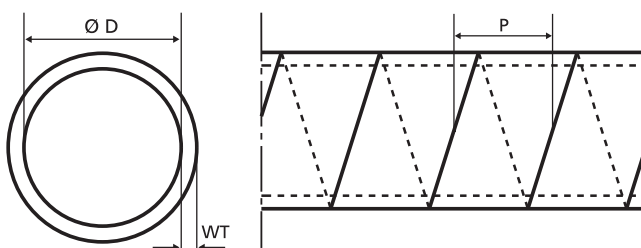
SBPA spiral binding is primarily used in the automobile industry and in harness shops.



SPBA spiral binding offers good protection against abrasion.

Material Data

Material	Polyamide 6 (PA6)
Colour	Natural (NA)
Operating Temperature	-60 °C to +95 °C, intermittent +130 °C
Flammability	UL94 HB



Technical Table

Article-No.	Type	Ø D	Wall (WT)	Pitch (P)	Bundle Ø min.	Bundle Ø max.
SBPA 30m lengths						
161-42000	SBPA1.5	1.5	0.4	6.0	1.6	8.0
161-42100	SBPA4	4.0	0.6	7.8	5.0	20.0
161-42200	SBPA9	9.0	1.0	12.5	10.0	100.0
161-42300	SBPA16	16.0	1.2	16.0	20.0	150.0

All dimensions in mm. Subject to technical changes.



Polyethylene Spiral Binding with UL94V0 classification

• SBPAV0

Features and Benefits

Due to its flame-retardant additives SBPAV0 spiral binding is self-extinguishing according to UL94 V0. Halogen free, PA6 SBPAV0 spiral binding is easy to install and offers optimal mechanical protection. Multiple cables can be easily bundled. SBPAV0 spiral binding is easy to remove and to re-use.

Application

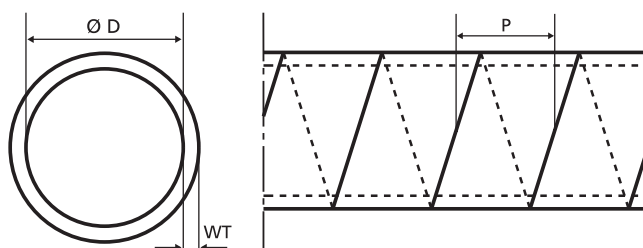
The use of SBPAV0 spiral binding is particularly suitable for challenging applications, for instance public buildings, the rail and aviation industry and wherever the requirements of UL94 V0 are demanded.



Spiral binding SBPAV0.

Material Data

Material	Polyamide 6 V0 (PA6V0)
Colour	Black (BK)
Operating Temperature	-60 °C to +95 °C, intermittent +130 °C
Flammability	UL94 V0
Specification	UL



Technical Table

Article-No.	Type	Ø D	Wall (WT)	Pitch (P)	Bundle Ø min.	Bundle Ø max.
SBPAV0 30m lengths						
161-44000	SBPAV01.5	1.5	0.4	6.0	1.6	8.0
161-44100	SBPAV04	4.0	0.6	7.8	5.0	20.0
161-44200	SBPAV09	9.0	1.0	12.5	10.0	100.0
161-44300	SBPAV016	16.0	1.2	16.0	20.0	150.0

All dimensions in mm. Subject to technical changes.



Please note! Not all products listed on this page may have this approval.
For product specific approvals please refer to the Appendix.



PTFE Spiral Binding for superior protection

• SBPTFE

Features and Benefits

SBPTFE polytetrafluoroethylene spiral binding provides excellent fire protection and fulfils UL94 V0. The SBPTFE spiral binding offers superior protection against abrasion and extreme temperatures. SBPTFE spiral binding is very resistant against many chemicals.

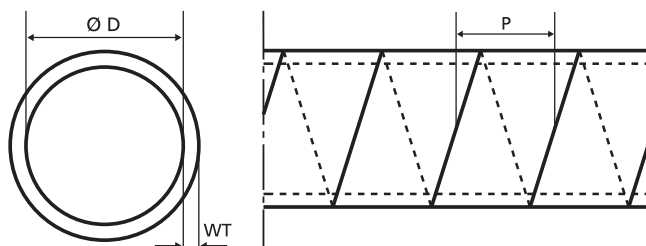
Application

Wherever superior protection against chemical and extreme temperatures are important, the use of SBPTFE is recommended.



Spiral binding SBTFE - ideal for extreme conditions.

Material Data		
Material		Polytetrafluoroethylene (PTFE)
Colour		Natural (NA)
Operating Temperature		-60 °C to +260 °C, intermittent +350 °C
Flammability		UL94 V0



Technical Table						
Article-No.	Type	Ø D	Wall (WT)	Pitch (P)	Bundle Ø min.	Bundle Ø max.
SBPTFE 5m lengths						
161-45000	SBPTFE1.5	1.5	0.5	6.0	1.6	8.0
161-45100	SBPTFE4	4.0	0.7	7.8	5.0	20.0
161-45200	SBPTFE9	9.0	1.0	12.5	10.0	100.0

All dimensions in mm. Subject to technical changes.



Polypropylene spiral binding for high resistance against oil, narrow pitch

• SPS

Features and Benefits

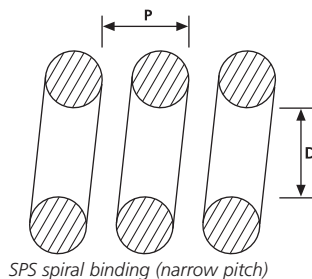
SPS spiral binding is very robust and offers very good protection from mechanical stress and oils. Additionally SPS spiral binding is very abrasion resistant. SPS is available with much larger diameters up to 50 mm than other spiral bindings and is ideal for larger cable bundles.

Application

SPS spiral binding is especially suitable for the use in areas where high abrasion resistance and much larger cable diameters are needed, for example the automobile and petrochemical industry as well as in heavy plant construction.



Spiral binding SPS is very robust and provides good protection against oil.



SPS spiral binding (narrow pitch)

Material Data

Material	Polypropylene (PP)
Colour	Black (BK)
Operating Temperature	-30 °C to +100 °C
Flammability	UL94 HB



Technical Table

Article-No.	Type	Ø D	Bundle Ø max.	Pitch (P)
SPS 1m lengths				
162-10100	SPS10	10	14	5.0
162-10150	SPS15	15	20	5.0
162-10200	SPS20	20	25	5.5
162-10250	SPS25	25	30	6.0
162-10300	SPS30	30	37	6.5
162-10350	SPS35	35	42	6.5
162-10400	SPS40	40	48	7.0
162-10500	SPS50	50	59	8.0

All dimensions in mm. Subject to technical changes.



Polypropylene spiral binding for high resistance against oil, wide pitch

- SPF

Features and Benefits

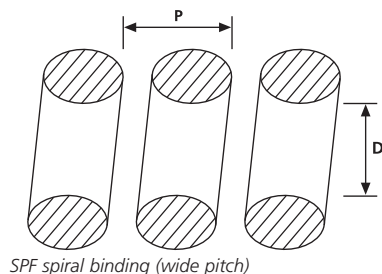
SPF spiral bindings are manufactured from oil resistant and high abrasion resistant polypropylene. SPF is used to route and protect cables. The spiral binding has a flat spiral construction which is ideal for inserting cable. Due to the much larger diameters up to 50 mm SPF is ideal for larger cable bundles.

Application

Wherever high abrasion resistance and stable cable inserting are important, the use of SPF spiral binding is recommended. SPF is suitable for wind industry, plant construction and the petrochemical industry.



Spiral binding - extremely robust and abrasion resistant.



SPF spiral binding (wide pitch)

Material Data	
Material	Polypropylene (PP)
Colour	Black (BK)
Operating Temperature	-30 °C to +100 °C
Flammability	UL94 HB



Technical Table				
Article-No.	Type	Ø D	Bundle Ø max.	Pitch (P)
SPF 1m lengths				
162-20100	SPF10	10	13	10
162-20150	SPF15	15	18	13
162-20200	SPF20	20	23	18
162-20250	SPF25	25	29	19
162-20300	SPF30	30	34	20
162-20350	SPF35	35	39	20
162-20400	SPF40	40	45	20
162-20500	SPF50	50	56	22

All dimensions in mm. Subject to technical changes.