

## CORDS

Physical, mechanical and tensile parameters of cords depend on used material and cord design [twisted, braided]

DAJPP company manufacture various cord types especially for below applications:

- ready-made
- industrial
- technical

#### Available material:

- PAD = polyamide (nylon)
- PES = polyester
- PP = polypropylene
- cotton
- hemp
- sisal

#### Cord design:

- braided without core [4-strand, 8-strand and 16-strand]
- braided with core [8-strand, 16-strand and more]
- twisted [3-strand and 4-strand]

# PAD

## POLYAMIDE CORDS

#### Manufactured:

- diameters from 1 mm to 7 mm
- twisted, braided without core and braided with core designs

#### **Characteristics:**

- high tenacity
- wear [abrasion] resistant
- UV resistant
- colorfast
  - [restricted to basic colors]

#### braided cords - without core [8-strand and 16-strand]

Diameter [mm]	Weight [g/m]	Tenacity [daN] [informative]
2	2,8	120
3	5,6	230
4	8,1	400
5	13,1	470

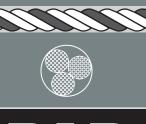
#### Application:

- industrial packaging cords
- agriculture
  - household use
- sport equipment manufacture [sport bags . . . ]
- sports

#### braided cords - with core

Diameter [mm]	Weight [g/m]	Tenacity [daN] [informative]
2	5,1	150
3	7,5	230
4	9,2	400
5	15,5	500
6	23,0	600
7	30,0	900
Twisted cord have t	he same narameters [in	formative] as braided

cord with core.



# PES

## **POLYESTER CORDS**

#### Manufactured:

- diameters from 1 mm to 7 mm
- twisted and braided designs

#### **Characteristics:**

- high tenacity
- [technical fibre]
  - high wear [abrasion] resistant
  - UV resistant
  - full range of colors

#### • braided cords - without core

Diameter [mm]	Weight [g/m]	Tenacity [daN] [informative]
2	2,4	55
3	5,4	125
4	7,4	135
5	9,8	172

#### **Application:**

- textile and clothing industry, decorative, upholstery
- technical applications [made of technical fibre]
- sports [combination of textile and technical fibre]
- household use

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<ul> <li>braided cords - with core</li> </ul>		
used material: core - technical		hnical
fibre, brai	d - textile fibre	l.
Diameter [mm]	Weight [g/m]	Tenacity [daN]
		[informative]
2	2,8	80
3	5,4	125
4	10.0	210

7 28,0 620 Above cord types are only basic ones because with combination of textile and technical polyester and braid combination you can get several cord types.

18.0

22,0

310

500

# PP



## POLYPROPYLENE CORDS

## Made of polypropylen multifilament fibre in variety of colors

- one of the most used cords
- suitable for next proccessing [i.e. nets manufacture]

#### **Characteristics:**

- very high resistance to water and wet environment [non-absorbent, floats on water level]
- braided cords without core [8-strand]

Diameter [mm]	Weight [g/m]	Tenacity [daN] [informative]
2	2,8	80
3	4,0	140
4	7,5	260
5	8,2	340
6	13,9	420
7	17,0	530

- high chemical stability
- good wear [abrasion] resistant
- high tenacity

#### Application:

- throughout industry
- sports
- common use especially where contact with water or wet environment take place

#### braided cords - with core [8-strand]

Weight [g/m]	Tenacity [daN] [informative]
5,2	180
9,8	310
12,1	400
16,8	530
22,0	620
	5,2 9,8 12,1 16,8

Shown tables have only informative character of technical parameters. We are able to manufacture also other cord types to customer request [in larger quantities].

## **DAJPP TEXTILE CORD**

#### Special polyester cord

#### **Characteristics:**

- soft
- flexible
- easy shaping

#### Application:

- clothing, sport equipment manufacture
- decoration
- upholstery

#### Standard production include 24 colors:

mmm 0003 - white 1376 - buttercup vellow 3338 - pomegranate 3358 - gerbera 3119 - rosehip red red 4018 - crocus 3416 - cyclamen

4657 - blue

5305 - turquoise 5505 - apple green

6507 - myrtle

7679 - beech nut

brown

grey

brown 8814 - light sport

9001 - black

4830 - navy

6787 - sage

7929 - chocolatte

green

blue

grey 1108 - reflexive yellow

8765 - dark sport

1408 - ducat vellow

4406 - violet

4906 - jay

6398 - cypress

7385 - french brown

blue

## **OTHER CORDS**

#### Other natural materials also available:

- cotton textile and upholstery cords
- sisal for decoration and ratan furniture
- hemp decorative cords

#### Elastic materials:

- braided cords with elastic rubber core textile industry, automotive industry
- flat elastic rubber cords textile industry

#### Polyester avalanche cord:

- cord with diameter 1.9 mm used for path marking
- manufactured in reflexive colors



## ROPES

Physical, mechanical and tensile parameters of ropes depend on used material and rope construction

DAJPP s.r.o. company manufacture various ropes for below applications:

- industry
- building construction
- agriculture
- sports

#### Ropes are manufactured from:

- PAD = polyamide
- PES = polyester
- PP = polypropylene

## • PAD rope - polyamide braided rope - with core

Weight [g/m]	Tenacity [daN]
	[informative]
40,0	980
63,5	1470
90,0	1960
116,0	2450
141,0	2940
235,0	4100
	40,0 63,5 90,0 116,0 141,0

## Ropes are braided in diameters from 8 mm to 18 mm

#### Rope design:

- braided without core
- braided with core

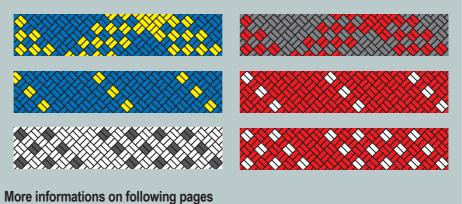
#### **Recommendations:**

 choose rope material and construction according to it's usage in particular environment

### WORKING AND SPORT ROPES

- Other types of braided ropes represent safety working ropes and climbing ropes
- High quality and technical and mechanical properties are required for these ropes because men's life often hangs on them

#### Braid examples:





## **STATIC ROPES**

#### EN 1891

Static ropes are dedicated for workers and speleologs. Static ropes must not be used when fall may be possible and for other than safety purposes

#### Packing:

- 30, 40, 45, 50, 60, 80, 100 and 200 m coils
- braided static ropes with 9 mm diameter

Diameter	9 m m
Rope type	В
Weight	57,3 g/m
Elongation	4,8 %
Static tenacity	19 kN
Knot breaking force	12 kN
Maximal braid shift	+9 mm
Number of falls	5
Shrinkage	-0,5 %
Material	PAD
Braid design:	

Braid color combinations: red/yellow, blue/white, red/white, orange/black, white/black

• braided static ropes with 11 mm diameter	
Diameter	11mm
Rope type	Α
Weight	81,6 g/m
Elongation	4,4 %
Static tenacity	25 kN
Knot breaking force	15 kN
Maximal braid shift	0 mm
Number of falls	21
Shrinkage	-0,4 %
Material	PAD
Braid design:	

Braid color combinations: orange/black, red/white, blue/white, bordeaux/white, white/black

### PANTHER DYNAMIC ROPES

#### EN 892, CE 0408, UIAA

Dynamic ropes are not only for sport purposes, climbing and speleo works but also for working purposes

#### Packing:

• 30, 40, 45, 50, 60, 80, 100 and 200 m coils

#### • PANTHER dynamic rope

Diameter	10,9 mm
Weight	78,5 g/m
Elongation	4,7 %
Knotability	0,87
Impact force	9,7 kN
Number of falls	7
Material	PAD
Braid design:	
Braid color combinations: red/yellow, blue/yellow, red/black, blue/red, gray/red	

#### **Characteristics:**

- classic simple dynamic rope
- low weight
- softness



### **REEP CORDS**



#### EN 564, CE 0408

Certified polyamide REEP cords are, thanks to it's characteristics, especially suitable for work in heights and for secondary cords for climbing

#### Packing:

• 100 m on paper spools

• REEP braided cords - with core			with core
	Diameter [mm]	Weight [g/m]	Tenacity [daN]
			[informative]
	2	6 E	150

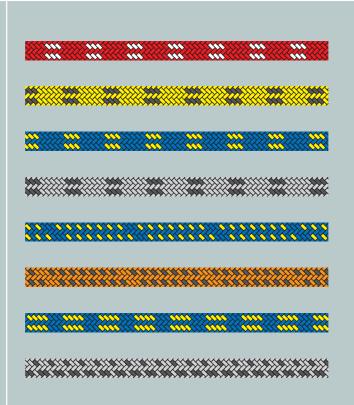
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3	6,5	150
4	12,9	320
5	19,1	500
6	22,7	720
7	33,9	980
8	39,6	1280
Material		ΡΔΠ

#### Braid color combinations:

red/white, yellow/black, blue/yellow, gray/orange, gray/black, orange/black, yellow/red, red/black, gray/red, gray/yellow, blue/red, red/yellow, black

## **REEP BRAID EXAMPLES**



## SHOE LACES

veryone at least once experienced how important is to have properly laced work boots, walking or sport shoes. This is why we try to manufacture shoe laces which will satisfy sophisticated users [sport shoes], common consumers [walking shoes], youth and children.

#### DAJPP s.r.o. company manufacture shoe laces:

- made of various materials
- with various designs
- in many colors and combinations of colors

#### Available material:

- PES = polvester
- PAD = polyamide
- PP = polypropylene
- flax with admixtures

#### Design:

- round with core street shoes
- round without core
- flat hollow:
  - sport shoes
  - work boots
  - ice hockey skates
- waxed for formal accasions

#### Laces quality depends on:

- tenacity
- laces termination

#### Termination types:

- celluloid tape [most common] variable celluloid termination length from 10 mm [standard] to 20 mm [for skates, work boots]
- metal termination [not often] terminated with aluminium socket used for longer laces and when celluloid tape may not be used because of used material
- fluxed by high temperature [rare] in some cases and only with suitable fluxable lace material
- Shoe laces are manufactured in variable lengths from 30 cm to 2.4 m [for skates]

#### Standard packing:

- wholesale
- 50 pairs [100 pc] packs



#### • retail sale

- 1 pair [2 pc] bonded with label
- 10 pairs [20 pc] in labeled plastic bag
- We also offer waxed shoe laces for formal occasins, 1 pair in plastic bag
- In satisfaction of all our customers we trust