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CORDS - ROPES - LACES



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]

Application:

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

• 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

• 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 the same parameters [informative] 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

• braided cords - with core

used material: core - technical fibre, braid - textile fibre

Diameter [mm]	Weight [g/m]	Tenacity [daN] [informative]
2	2,8	80
3	5,4	125
4	10,0	210
5	18,0	310
6	22,0	500
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.

PP

POLYPROPYLENE CORDS

Made of polypropylen multifilament fibre in variety of colors

- one of the most used cords
- suitable for next processing [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]

Diameter [mm]	Weight [g/m]	Tenacity [daN] [informative]
3	5,2	180
4	9,8	310
5	12,1	400
6	16,8	530
7	22,0	620

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:

 0003 - white	 1376 - buttercup yellow	 1408 - ducat yellow
 3119 - rosehip red	 3338 - pomegranate red	 3358 - gerbera
 3416 - cyclamen	 4018 - crocus	 4406 - violet
 4657 - blue	 4830 - navy blue	 4906 - jay blue
 5305 - turquoise	 5505 - apple green	 6398 - cypress
 6507 - myrtle	 6787 - sage green	 7385 - french brown
 7679 - beech nut brown	 7929 - chocolate brown	 8765 - dark sport grey
 8814 - light sport grey	 9001 - black	 1108 - reflexive yellow

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**

Diameter [mm]	Weight [g/m]	Tenacity [daN] [informative]
8	40,0	980
10	63,5	1470
12	90,0	1960
14	116,0	2450
16	141,0	2940
18	235,0	4100

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:



More informations on following pages

STATIC ROPES

EN 1891

Static ropes are dedicated for workers and speleologists. 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 mm
Rope type	B
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	11 mm
Rope type	A
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

Diameter [mm]	Weight [g/m]	Tenacity [daN] [informative]
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		PAD

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

Everyone 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 = polyester
- 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 occasions

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 occasions, 1 pair in plastic bag**

• **In satisfaction of all our customers we trust**