

B06: General Information

Cable reels for fibre optic cables

CABLE REELS

Cables are delivered on wooden cable reels or polymer cable reels.

There are three standard series of delivery reels:

REELS SERIES R

Reels series R are made of North European softwood.

Reels series R including R18 have a \varnothing 82 mm spindle hole reinforced with a steel bushing. Reels R20 have a \varnothing 125 mm spindle hole.

REELS SERIES S

Reels series S are mainly made of polypropylene.

Reels series S have a \varnothing 75 mm spindle hole.

The polymer reels are marked with a recycling symbol, offering the opportunity to manufacture new products from them from the recycled material. They can also be used for manufacturing energy, as carbon oxide and water are the only by-products remaining after burning polypropylene

REELS SERIES K

Reels series K are made of a combination of softwood (barrel) and plywood (flange).

Reels series K have an unreinforced spindle hole \varnothing 82 mm.

REEL DIMENSIONS AND CABLE CAPACITIES

The dimensions and nominal weight of the reels are given in the table 1 below. There are some millimetre tolerances on the dimensions of the reels and the reel weight may vary

due to the moisture content of the reels.

In table 2a and 2b the maximum nominal capacity of the reels is given as a function of the cable diameter in the table below.

One should note that it is not possible to specify the reel capacity as delivery length.

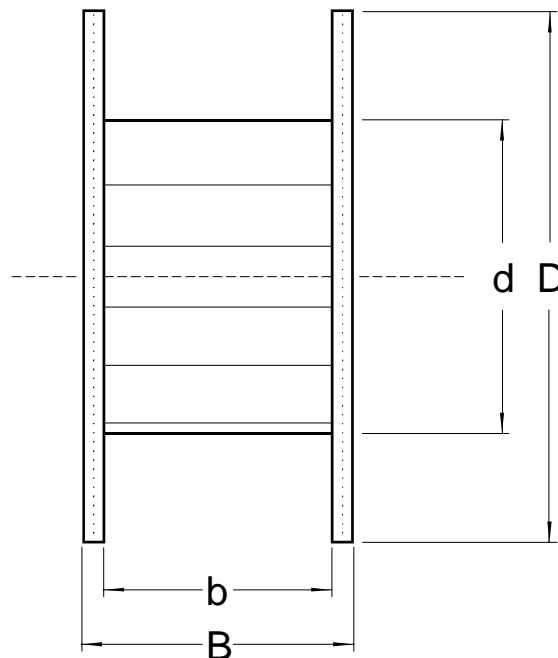
However knowing the delivery length and the cable diameter, the reel can be selected from Table 2.

OPTION

As an option the cable may also be delivered on wooden reels according to Swedish standard SS 84 28 01 in the sizes K10, K11, K12, K14, K16, K18 and K20.

NOTE

The reels type N with guide for the inner end is not longer a standard offering.





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Table 1: Reels, nominal dimensions and weights.

Reel type	Flange diameter D [mm]	Barrel diameter d [mm]	Outer width of reel B [mm]	Internal width b [mm]	Nominal weight [kg]
S40	400	175	265	235	2
S40B	400	202	480	440	3
S60	600	250	470	400	11
K80	800	500	480	450	10
K100	1000	600	600	575	20
K11A	1100	600	750	720	35
R11	1250	630	510	420	70
R12	1250	630	740	660	90
R14	1400	710	880	775	140
R16	1600	800	1040	930	190
R18	1800	900	1040	900	200
R20	2000	1000	1040	900	300

Table 2a: Nominal cable dimension and maximum cable length on reels series K and S.

Diameter	S40	S40B	S60	K80	K100	K11A
1,6	6100					
2,0	3900	6400				
2,5	2500	4100				
2,8	2000	3200				
3,0	1700	2800	7900			
3,5	1200	2100	5800	7700		
4,0	900	1600	4400	5900		
4,5	700	1200	3500	4600	9700	
5,0		1000	2800	3700	7900	
5,5			2300	3100	6500	
6,0			1900	2600	5400	
6,5				2200	4600	8500
7,0				1900	4000	7300
7,5				1600	3500	6400
8,0				1400	3000	5600
8,5				1300	2700	5000
9,0				1100	2400	4400
9,5				1000	2100	4000
10,0				900	1900	3600
10,5				800	1700	3200
11,0				700	1600	2900
11,5				700	1400	2700
12,0				600	1300	2500
12,5				600	1200	2300
13,0					1100	2100
13,5					1000	1900
14,0					1000	1800
14,5					900	1700
15,0					800	1600

Table 2b: Nominal cable dimension and maximum cable length on reels series R.

Diameter	R11	R12	R14	R16	R18	R20
5,0						
5,5	10000					
6,0	8400					
6,5	7200					
7,0	6200	9700				
7,5	5400	8500				
8,0	4700	7400	11200			
8,5	4200	6600	9900			
9,0	3700	5900	8900			
9,5	3300	5300	7900	13000	16200	
10,0	3000	4700	7200	11700	14700	17100
10,5	2700	4300	6500	10600	13300	15500
11,0	2500	3900	5900	9700	12100	14100
11,5	2300	3600	5400	8800	11100	12900
12,0	2100	3300	5000	8100	10200	11800
12,5	1900	3000	4600	7500	9400	10900
13,0	1800	2800	4200	6900	8600	10100
13,5	1600	2600	3900	6400	8000	9300
14,0	1500	2400	3600	5900	7500	8700
14,5	1400	2200	3400	5500	6900	8100
15,0	1300	2100	3200	5200	6500	7600
15,5	1200	1900	3000	4800	6100	7100
16,0			2800	4500	5700	6600
16,5			2600	4300	5400	6200
17,0			2400	4000	5000	5900
17,5			2300	3800	4800	5500
18,0			2200	3600	4500	5200
18,5				3400	4200	5000
19,0				3200	4000	4700
19,5				3000	3800	4500
20				2900	3600	4200
21					3300	3800
22					3000	3500
23					2700	3200
24						2900
25						2700