

## FLEXIDRUM® DR 700 P



**Tunneling machines**

### Construction:

<b>Conductor:</b>	flexible red copper, class 5, acc. to IEC 60228
<b>Insulation:</b>	special compound
<b>Cores color:</b>	<b>4 CORES:</b> black, brown, grey, green-yellow <b>5 CORES:</b> black, brown, grey, blue, green-yellow <b>7 CORES AND UP:</b> black with printed numbers
<b>Inner sheath:</b>	PUR
<b>Supporting Screen:</b>	High-tech yarns
<b>Outer sheath :</b>	yellow, PUR

### Technical data:

<b>Nominal voltage:</b>	0,6/1kv
<b>Test voltage:</b>	3,5 kV
<b>Min bending radius: for laying and installation</b>	
fixed:	6 x d
flexible:	8 x d
<b>Temperature range</b>	
Fixed installation:	- 40°C + 80°C
Flexible application:	- 30°C + 80°C
<b>Tensile strenght:</b>	25 n/mm <sup>2</sup>
<b>Max speed:</b>	120 m/min. please inquire for higher speeds
<b>Oil resistance:</b>	very good
<b>Chemical resistance:</b>	very good
<b>Fire performance:</b>	flame retardant acc. to IEC 60332-1
<b>Weather resistance:</b>	very good

### Outstanding features:

- ▶ Possible version without antitwisting protection
- ▶ for **SPEED** and **MINIMUM BENDING RADIUS** see pages 1,2,3/5,6 of catalogue

### Applications:

- ▶ Cable for reeling applications with high mechanical stress
- ▶ **FLEXIDRUM® DR 700 P** can be used in mining and tunneling machines

Part no.	No. of cores x cross-section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight approx. kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07010425	4G2,5	10,9	96,0	190	250	14
07010440	4G4	12,2	153,6	260	400	12
07010460	4G6	13,7	230,4	370	600	10
07010461	4G10	16,2	384,0	580	1000	8
07010462	4G16	20,5	614,4	920	1600	6
07010463	4G25	26,5	960,0	2150	2500	4
07010464	4G35	31,0	1344,0	2900	3500	2
07010465	4G50	34,0	1920,0	4100	5000	1
07010466	4G70	39,5	2688,0	5750	7000	2/0
07010363	3x25+3G6	24,5	892,8	1240	1960	4
07010364	3x35+3G6	28,2	1180,8	1640	2650	2
07010365	3x50+3G10	31,2	1728,0	2240	3750	1
07010366	3x70+3G16	36,2	2476,8	3100	5250	2/0
07010367	3x95+3G16	40,5	3196,8	3890	7150	3/0
07010368	3x120+3G25	45,5	4176,0	5080	9000	4/0
07010369	3x150+3G25	50,7	5040,0	6160	11250	250 MCM
07010370	3x185+3G35	56,0	6336,0	7680	13800	350 MCM
07010371	3x240+3G50	62,5	8354,0	9870	18000	450 MCM
07010372	3x300+3G50	70,5	10080,0	12300	22500	550 MCM

Part no.	No. of cores x cross-section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight approx. kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07010525	5G2,5	11,7	120,0	220	310	16
07010540	5G4	13,7	192,0	320	500	16
07010560	5G6	15,7	288,0	450	750	16
07010561	5G10	19,0	480,0	700	1250	16
07010562	5G16	23,0	768,0	1100	2000	16
07010563	5G25	28,2	1200,0	1550	3100	16
07010564	5G35	32,2	1680,0	2050	4350	16
07010715	7x1,5	12,2	100,8	210	260	16
07011215	12x1,5	16,7	172,8	330	450	16
07011815	18x1,5	16,7	259,2	410	670	16
07012415	24x1,5	20,2	345,6	680	900	14
07013615	36x1,5	23,0	518,4	900	1350	14
07010725	7x2,5	13,2	168,0	30	430	14
07011225	12x2,5	19,5	288,0	610	750	14
07011825	18x2,5	19,5	432,0	740	1120	14
07012425	24x2,5	23,5	576,0	1050	1500	14
07013625	36x2,5	26,5	864,0	1430	2250	14
07014225	42x2,5	28,2	1008,0	1500	2620	14
07012625	26x2,5+(4x2,5)C	25,7	720,0	1260	1870	14

Other construction and sizes are available on request