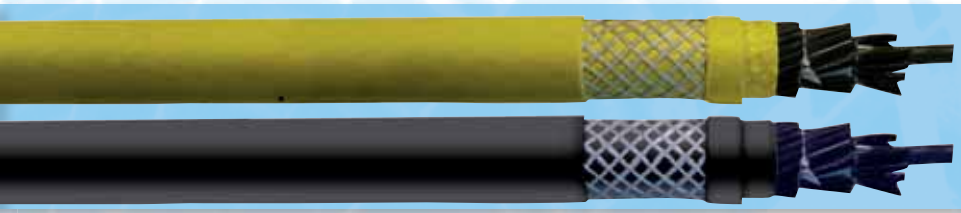
FLEXIDRUM® DR 820 P (EPR/PUR)



Construction:

Conductor:	flexible red copper acc. to IEC 60228 EN 60228, VDE 0295, class 5
Insulation:	EPR rubber
Cores color:	colored acc. to HD 308, (VDE 0293 part 308); from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Stranding:	special adjusted layering around central suspension unit with partial non-woven tape over the outer layer
Inner sheath:	PUR
Supporting screen:	textile anti-twisting braiding
Outer sheath:	PUR, black (RAL9005), yellow (RAL 1021)

Outstanding features:

- **Small outer diameter**
- **small cable weight**
- **high winding and unwinding strength**
- **possible yellow version**
- **for SPEED and MINIMUM BENDING RADIUS see pages 1,2,3/5,6 of catalogue**

Applications:

- **FLEXIDRUM® DR 820 P (EPR/PUR) is used on heavy appliances like motor cable reel hoists, transport systems, movable motors and farm vehicles with high mechanical stress.**

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4000 V
Min bending radius: for laying and installation (fixed laying):	≤12 mm 3 x d / >12 mm 4 x d
for repeated winding action (flexible):	6 x d
guided on deflection pulleys (flexible):	7,5 x d
Temperature range Fixed laying:	- 50°C + 90°C
Flexible application:	- 40°C + 90°C
Temperature Max on conductor: In service:	+ 90°C
Flexible application:	+ 250°C
Max speed:	Max 180 m/min. please inquire for higher speeds
Max torsion:	± 25°/1mt.
Halogen free:	acc. to IEC 60754-1-2
Oil resistant:	very good
Chemical resistant:	good
Fire resistant:	acc. to 60332-1
UV-resistance:	very good

Other construction and sizes are available on request

Part no.	No. of cores x cross-section n x mm²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no.*)
08200415EPR	4x1,5	10,5	57,6	160	120	16
08200515EPR	5x1,5	11,0	72,0	185	150	16
08200715EPR	7x1,5	12,7	100,8	220	210	16
08201215EPR	12x1,5	16,2	172,8	370	360	16
08201815EPR	18x1,5	17,7	259,2	470	540	16
08202415EPR	24x1,5	19,7	345,6	600	720	16
08203015EPR	30x1,5	21,8	432,0	730	900	16
08203615EPR	36x1,5	24,5	518,4	880	1080	12
08204215EPR	42x1,5	26,5	604,8	990	1260	12
08200425EPR	4x2,5	11,7	96,0	210	200	14
08200525EPR	5x2,5	12,5	120,0	240	250	14
08200725EPR	7x2,5	14,0	168,0	440	320	14
08201225EPR	12x2,5	19,4	288,0	500	600	14
08201825EPR	18x2,5	19,6	432,0	690	900	14
08202425EPR	24x2,5	22,4	576,0	870	1200	14
08203025EPR	30x2,5	25,5	720,0	1100	1500	14
08203625EPR	36x2,5	32,5	864,0	1630	1800	14
08200440EPR	4x4	13,0	153,6	290	320	12
08200460EPR	4x6	14,0	230,4	380	480	12
08200461EPR	4x10	18,0	384,0	620	800	12

Part no.	No. of cores x cross-section n x mm²	Outer-Ø ca. mm ± 10%	Copper weight approx. kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no.*)
08200462EPR	4x16	31,0	614,4	930	1280	14
08200463EPR	4x25	24,2	960,0	1280	2000	12
08200464EPR	4x35	28,7	1344,0	1790	2800	12
08200465EPR	4x50	36,5	1920,0	2600	4000	12
08200466EPR	4x70	41,0	2688,0	3570	5600	12
08200467EPR	4x95	46,5	3648,0	4620	7600	12
08200468EPR	4x120	52,2	4608,0	5800	9600	12
08200469EPR	4x150	52,5	5760,0	7130	12000	250 MCM
08200540EPR	5x4	13,8	192,0	330	400	12
08200560EPR	5x6	16,6	288,0	440	600	10
08200561EPR	5x10	19,5	480,0	710	1000	8
08200562EPR	5x16	23,0	768,0	1080	1600	6
08200563EPR	5x25	31,6	1200,0	1800	2500	4
08200564EPR	5x35	34,7	1680,0	2370	3500	2
08200565EPR	3x50+3x25/3	33,0	2160,0	2425	3000	1
08200566EPR	3x70+3x35/3	36,0	3024,0	3320	4200	2/0
08200567EPR	3x95+3x50/3	41,4	4176,0	4180	5700	3/0
08200568EPR	3x120+3x70/3	46,0	5472,0	5390	7200	4/0
08200569EPR	3x150+3x70/3	51,0	6336,0	6450	9000	250 MCM
08200570EPR	3x185+3x95/3	55,0	8064,0	7800	11100	350 MCM