

# CABLE REELS

## FLEXIDRUM® R 702



### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	GAALTHERM® 585
<b>Cores color:</b>	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
<b>Central unit:</b>	special yarns
<b>Central unit insulation:</b>	black (similar to RAL 9005), GAALTHERM® 585
<b>Stranding:</b>	in layers around central unit
<b>Wrapping:</b>	non-woven tape over each layer
<b>Inner sheath:</b>	GAALTHERM® 630
<b>Supporting screen:</b>	anti-twisting protection of high-tech yarns
<b>Outer sheath:</b>	black (similar to RAL 9005) or yellow (similar to RAL 1021, GAALTHERM® 630)

### Resistance:



**Self-extinguishing and flame retardant acc. to:**  
DIN VDE 0482 part 265-2-1  
EN 50265-2-1  
IEC 60332-1-2



**Halogen-free acc. to:**  
DIN VDE 0482 part 267,  
EN 50267-2-1,  
IEC 60754-1



**Oil resistance acc. to:**  
DIN VDE 0282 part 10  
IEC EN 60811-2-1

### Technical data:

<b>Nominal voltage:</b>	U <sub>o</sub> /U 0,6/1 kV
<b>Test voltage:</b>	4 kV
<b>Temperature range:</b>	
<i>Fixed laying:</i>	-50°C up to +90°C
<i>Flexible installation:</i>	-40°C up to +90°C
<b>Min. bending radius:</b>	
<i>Fixed laying:</i>	≤12 mm 3 x d / >12 mm 4 x d
<i>For repeated winding action (flexible):</i>	6 x D
<i>Guided on deflection pulleys (flexible):</i>	7,5 x D
<b>Max speed (main application):</b>	120 m/min

### Features:

#### New version! reduced weight and diameter

UV resistance: very good

chemical resistance: good

small outer diameter

reduced cable weight

for SPEED and MINIMUM BENDING RADIUS see pages from 2 to 8 of catalogue

RoHS and CE approval

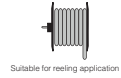


### Applications:

FLEXIDRUM® R 702 is used on heavy appliances, cable reels, for vertical use

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## FLEXIDRUM® R 702



Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no.®)
01080GY0491M10	49G1	25	470,4	880	3500	19
01080GY2041M15	4G1,5	9,1	57,6	111	1340	16
01080GY2051M15	5G1,5	9,9	72	133	1690	16
01080GY0071M15	7G1,5	11,9	100,8	193	2150	16
01080GY0121M15	12G1,5	16,7	172,8	341	2600	16
01080GY0181M15	18G1,5	16,5	259,2	411	2600	16
01080GY0251M15	25G1,5	21,3	360	620	-	16
01080GY0361M15	36G1,5	22,6	518,4	812	3500	16
01080GY2041M25	4G2,5	10,5	96	163	1345	14
01080GY2051M25	5G2,5	11,7	120	200	2100	14
01080GY0071M25	7G2,5	13,9	168	295	2500	14
01080GY0081M25	8G2,5	14,9	192	360	2800	14
01080GY0121M25	12G2,5	19,6	288	506	2900	14
01080GY0181M25	18G2,5	19,7	432	611	3450	14
01080GY0201M25	20G2,5	22	480	703	3000	14
01080GY0241M25	24G2,5	23,9	576	843	2700	14
01080GY0301M25	30G2,5	26,7	720	1057	4200	14
01080GY0361M25	36G2,5	26,8	864	1164	5000	14
01080GY0421M25	42G2,5	28,7	1008	1405	5750	14
01080GY0501M25	50G2,5	32,5	1200	1688	6750	14
01080GY0561M25	56G2,5	33,7	1344	1783	7900	14
01080GY2041M40	4G4	12,5	153,6	240	1690	12
01080GY0071M40	7G4	16,6	268,8	425	2600	12
01080GY0141M40	14G4	22,5	537,6	790	-	12
01080GY0161M40	16G4	23,9	614,4	880	3500	12
01080GY2041M60	4G6	14,6	230,4	344	1860	10
01080GY2041M61	4G10	18,1	384	574	2300	8
01080GY2041M62	4G16	22,4	614,4	873	2800	6
01080GY2048M62	4G16+4x2,5	23,6	670	1100	2050	6
01080GY2048M63	4x25+4G2,5	26,9	1056	1403	-	4
01080GY2037M63	3x25+3G6	24,3	892,8	1181	3300	4
01080GY2041M63	4G25	26,6	960	1341	3300	4
01080GY2037M64	3x35+3G6	28,1	1180,8	1569	3300	2
01080GY2041M64	4G35	31,2	1344	1880	3300	2
01080GY2037M65	3x50+3G10	31,9	1728	2219	3800	1
01080GY2041M65	4G50	35,4	1920	2592	4000	1

Other dimensions and colors available on request.