

## FLEXIDRUM® R 703



### 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>	aramide yarns
<b>Central unit insulation:</b>	black (similar to RAL 9005), GAALTHERM® 540
<b>Stranding:</b>	in layers around central unit
<b>Wrapping:</b>	non-woven tape over each layer
<b>Inner sheath:</b>	black (similar to RAL 9005), PUR compound
<b>Supporting screen:</b>	anti-twisting protection of high-tech yarns
<b>Outer sheath:</b>	black (similar to RAL 9005) special PUR compound

### 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>0</sub> /U 0,6/1 kV
<b>Test voltage:</b>	3,5 kV
<b>Temperature range:</b>	
<i>Fixed laying:</i>	-50°C up to +120°C
<i>Flexible installation:</i>	-40°C up to +120°C
<b>Min. bending radius:</b>	
<i>Fixed laying:</i>	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:

**max. temperature up to +120°C!**

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® SPECIAL R 703  
is used on heavy appliances, cable reels, for vertical use  
up to +120°C

# CABLE REELS

## FLEXIDRUM® R 703



Suitable for reeling application



Suitable for chain application

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 strenght N	AWG no.*)
01100G70491M10	49G1	25	470,4	880	3500	19
01100G72041M15	4G1,5	9,1	57,6	111	1340	16
01100G72051M15	5G1,5	9,9	72	133	1690	16
01100G70071M15	7G1,5	11,9	100,8	193	2150	16
01100G70121M15	12G1,5	16,7	172,8	341	2600	16
01100G70181M15	18G1,5	16,5	259,2	411	2600	16
01100G72041M25	4G2,5	10,5	96	163	1345	14
01100G72051M25	5G2,5	11,7	120	200	2100	14
01100G70071M25	7G2,5	13,9	168	295	2500	14
01100G70081M25	8G2,5	14,9	192	360	2800	14
01100G70121M25	12G2,5	19,7	288	506	2900	14
01100G70181M25	18G2,5	19,6	432	611	3450	14
01100G70241M25	24G2,5	23,9	576	843	2700	14
01100G70301M25	30G2,5	26,7	720	1057	4200	14
01100G70361M25	36G2,5	26,8	864	1164	5000	14
01100G70421M25	42G2,5	28,7	1008	1405	5750	14
01100G70501M25	50G2,5	32,5	1200	1688	6750	14
01100G70561M25	56G2,5	33,7	1344	1783	7900	14
01100G72041M40	4G4	12,5	153,6	240	1690	12
01100G70071M40	7G4	16,6	268,8	425	2600	12
01100G70161M40	16G4	23,9	614,4	880	3500	12
01100G72041M60	4G6	14,6	230,4	344	1860	10
01100G72041M61	4G10	18,1	384	574	2300	8
01100G72041M62	4G16	22,4	614,4	873	2800	6
01100G72048M62	4G16+4x2,5	23,6	670	1100	2050	6
01100G72037M63	3x25+3G6	24,3	892,8	1181	3300	4
01100G72041M63	4G25	26,6	960	1341	3300	4
01100G72051M63	5G25	30,1	1200	1696	3500	4
01100G72037M64	3x35+3G6	28,1	1180,8	1569	3300	2
01100G72041M64	4G35	31,2	1344	1880	3300	2
01100G72037M65	3x50+3G10	31,9	1728	2219	3800	1
01100G72041M65	4G50	35,4	1920	2592	4000	1

Other dimensions and colors available on request.