

# CABLE REELS

## FLEXIDRUM® SPECIAL 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 or black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores also under 6 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>	PUR compound
<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), 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>o</sub> /U 0,6/1 kV or U <sub>o</sub> /U 300/500 V
<b>Test voltage:</b>	
U <sub>o</sub> /U 0,6/1 kV:	4 kV
U <sub>o</sub> /U 300/500 V:	2 kV
<b>Temperature range:</b>	
Fixed laying:	-50°C up to +90°C
Flexible installation:	-40°C up to +90°C
<b>Min. bending radius:</b>	
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
<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® SPECIAL R 702  
is used on heavy appliances, cable reels, for vertical use

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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.®)
01080GY2049900	4G16+4x2x1,5	28,2	729,6	1030	-	6
01080GY2049901	4G35+25x1,5	37,4	1704	2287	-	2
01080GY2049902	4G50+3x2x1	35,3	2069	2700	-	1
01080G72049903	4G50+7x2,5	39,2	2088	2786	5000	1
01080GY0449904	44G4	36,8	1689,6	2330	6200	12
01080GY0429905	42G4+3x1G62,5/125µm	37,9	1612,8	2251	5000	12
01080GY0189906	18G2,5+(4x2x0,14)PN	26,7	650	903	-	14/26
01080GY0309907	30G2,5+(8x2,5)C	31,5	980	1450	-	14/14
01080GY2049908	4G16+12x1,5+(4x1,5)C	36,5	868,5	1480	-	6/16/16
01080GY2049909	4G35+(3x2,5)ST+(2x1,5)ST(2x1)C	48	1486,5	3070	-	2/14/16/19
01080GY0169910	16G1,5+2x(1x1,5)C	19,1	280	530	-	16/16
01080GY3039911	3x35+1x16+(2x2,5)C	34,1	1231,1	1957	-	2/6/14
01080GY3039912	3x35+1x16+3x2,5	33,9	1233,6	1955	-	2/6/14
01080GY2059913	(4x2x0,14)S GE+9G4+5G6	34,8	674,2	1397	-	26/12/10
01080GY2059914	(2x2x0,34) PN+7G4+5G6	26,6	591,3	995	-	22/12/10
01080GY2049915	4G4+4x1,5+4x(1,5)C	21,6	310,3	609	-	12/16/16
01080GY3039916	3x35+2x10+12x1,5+(4x1,5)	41	1454,1	2323	-	2/8/16/16
01080GY3039917	3x50+(3G10)C	33	1924,4	2408	-	1/8
01080GY2049918	4G16+2x(4x1,5)C	25,6	840	1184	-	4/16
01080GY0089919	8G2,5+(4x2,5)C	21,9	310,8	632	-	14/14
01080GY0709920	70G4	45,4	2668	3586	-	12
01080GY1049921	4x2x0,14	10,7	40,6	120	-	26
01080GY2039922	3G2,5+40x0,5+20x1,5	-	-	-	-	14
01080G70359923	(35G2,5)+18x2,5	-	-	-	-	14
01080G70049924	4G10+2x2,5+2x(2x0,75)C+3x3x0,75	32,4	557,4	1230	-	8
01080GY1049925	3x2x0,75	9,9	70,2	-	-	19
01080G72049926	4G25+17x2,5	-	1368	-	-	4/14
01080G72049927	4x1,5+2x(2x0,75)C+(4x0,14+4x0,34)C	18,9	149,1	418	-	16
01080G72049928	4G4+2x2,5+2x(2x0,34)	19,1	285	540	-	12/14/24
01080D70049930	4G25+4x2x2,5	30	1152	1502	4000	4/14
01080G70259932	25G2,5+5x(1,5)C	27,2	682,4	1094	-	14/16

Other dimensions and colors available on request.