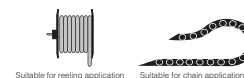


# CABLE REELS

## FLEXIDRUM® R 502



### Construction:

<b>Conductor:</b>	flexible bare copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	GAALTHERM®530
<b>Cores color:</b>	acc. to DIN VDE 0293-308, HD 308 S2 3 conductors + 3 earth conductors: grey, brown, black and green/yellow divided in interstices
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	non-woven tape
<b>Inner sheath:</b>	PUR compound
<b>Supporting screen:</b>	anti-twisting textile braid
<b>Outer sheath:</b>	yellow or black, PUR compound

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</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>Max. temperature on conductor:</b>	+ 90°C
<b>Max. temperature in short circuit:</b>	+ 250 °C
<b>Min. bending radius:</b>	acc. to DIN VDE 0298 part 3
<i>Fixed laying:</i>	7 x d
<i>Flexible laying:</i>	10 x d
<b>Max. pulling force:</b>	20 N/mm <sup>2</sup>
<b>Max. torsion:</b>	± 25°/1mt.
<b>Max speed (main application):</b>	180 m/min

### 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 0473 part 811-2-1  
IEC EN 60811-2-1

### Features:

UV resistance  
chemical resistance  
RoHS and CE approval



### Applications:

FLEXIDRUM® R 502 is used on heavy appliances like motor cable reel hoists, transport systems, movable motors and vehicles with high mechanical stress.

Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø			Cable weight approx. kg/km	AWG no.®)
		Min.	Nom.	Max.		
01050GY2037M63	3x25+3G16/3	24,2	25,5	26,8	1217	4
01050GY2037M64	3x35+3G16/3	26,1	27,5	28,9	1529	2
01050GY2037M65	3x50+3G25/3	30,9	32,5	34,1	2151	1
01050GY2037M66	3x70+3G35/3	35,1	36,9	38,7	2998	2/0
01050GY2037M67	3x95+3G50/3	39,8	41	42,2	3682	3/0
01050GY2037M68	3x120+3G70/3	44,5	45,9	47,3	4787	4/0
01050GY2037M69	3x150+3G70/3	48,1	49,6	51,1	5683	250 MCM
01050GY2037M70	3x185+3G95/3	55,8	57,5	59,2	7257	350 MCM
01050GY2037M71	3x240+3G120/3	61	62,9	64,8	9382	450 MCM

Other dimensions and colors available on request.