

CABLE REELS

FLEXIDRUM® R 502



Construction:

Conductor:	<i>Construction with anti-twisting:</i> flexible tinned copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295 <i>Construction without anti-twisting:</i> flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	GAALThERM® 530
Cores color:	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
Central unit:	textile element
Stranding:	in layers around central unit
Wrapping:	non-woven tape over each layer
Inner sheath:	PUR compound
Supporting screen:	anti-twisting protection of textile braid
Outer sheath:	yellow (similar to RAL 1021 or 1018) or black (similar to RAL 9005), 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 0473 part 811-2-1
IEC EN 60811-2-1

Technical data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Test voltage:	4 kV
Temperature range:	
<i>Fixed laying:</i>	-50°C up to +90°C
<i>Flexible installation:</i>	-40°C up to +90°C
Max. temperature on conductor:	+ 90°C
Max. temperature in short circuit:	+ 250 °C
Min. bending radius:	acc. to DIN VDE 0298 part 3
Max. torsion:	± 25°/1mt.
Max speed (main application):	with anti-twisting: 180 m/min without anti-twisting: 30 m/min

Features:

UV resistance: very good
chemical resistance: good
small outer diameter
reduced cable weight
high winding and unwinding strength
possible version without anti-twisting protection identified with "1" on the 5th number of the Part. n
Possible black outer sheath version
for SPEED and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue
RoHS and CE approval



Applications:

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

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Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no.)*
01050GY2041M15	4G1,5	10,2	57,6	160	1875	16
01050GY2051M15	5G1,5	11,1	72	200	2225	16
01050GY0071M15	7G1,5	12,9	100,8	250	2090	16
01050GY0121M15	12G1,5	16,6	172,8	450	2540	16
01050GY0181M15	18G1,5	16,8	259,2	500	2540	16
01050GY0241M15	24G1,5	19,5	345,6	700	2740	16
01050GY0301M15	30G1,5	22,5	432	850	2840	16
01050GY0361M15	36G1,5	25	518,4	880	2840	16
01050GY0421M15	42G1,5	27,2	604,8	1050	2840	16
01050GY2041M25	4G2,5	11,7	96	240	1620	14
01050GY2051M25	5G2,5	12,5	120	260	2375	14
01050GY0071M25	7G2,5	14,3	168	350	2825	14
01050GY0121M25	12G2,5	19,1	288	650	3175	14
01050GY0181M25	18G2,5	19,3	432	700	3725	14
01050GY0241M25	24G2,5	22,6	576	950	3525	14
01050GY0301M25	30G2,5	25,7	720	1250	4525	14
01050GY0361M25	36G2,5	25,3	864	1300	4825	14
01050GY2041M40	4G4	15,5	153,6	350	1760	12
01050GY2041M60	4G6	16,7	230,4	400	1790	10
01050GY2041M61	4G10	19,8	384	650	2200	8
01050GY2041M62	4G16	22,2	614,4	850	2700	6
01050GY2041M63	4G25	28	960	1350	3200	4
01050GY2041M64	4G35	30,5	1344	1800	4200	2
01050GY2041M65	4G50	35,5	1920	2500	6000	1
01050GY2041M66	4G70	41,2	2688	3500	8400	2/0
01050GY2041M67	4G95	46,2	3648	4600	8400	3/0
01050GY2041M68	4G120	51	4608	5750	14400	4/0
01050GY2041M69	4G150	55,5	5760	7400	18000	250 MCM
01050GY2051M40	5G4	16,6	192	410	2600	12
01050GY2051M60	5G6	18,1	288	520	2900	10
01050GY2051M61	5G10	21,6	480	800	2900	8
01050GY2051M62	5G16	25	768	1100	2900	6
01050GY2051M63	5G25	30,5	1200	1780	3750	4
01050GY2051M64	5G35	34,3	1680	2350	5250	2
01050GY3030M72	3x300	66,8	8640	10850	27000	550 MCM
01050GY2037M65	3x50+3G25/3	32,3	1680	2320	4500	1
01050GY2037M66	3x70+3G35/3	36,1	2352	3180	6300	2/0
01050GY2037M67	3x95+3G50/3	41	3216	4020	8550	3/0
01050GY2037M68	3x120+3G70/3	45,8	4128	5370	10800	4/0
01050GY2037M69	3x150+3G70/3	51	4992	6440	13500	250 MCM
01050GY2037M70	3x185+3G95/3	54,6	6240	7780	16650	350 MCM
01050GY2037M71	3x240+3G120/3	66,3	7830	10800	21600	450 MCM
01050GY2039900	3x25+3G16/3+2x1,5	27,4	902	1470	2250	4
01050GY2039901	3x35+3G16/3+2x1,5	29,4	1190	1820	3150	2
01050GY2039902	3x50+3G25/3+2x1,5	35,4	1708	2610	4500	1
01050GY2039903	3x70+3G35/3+2x2,5	38,7	2400,8	3450	6300	2/0
01050GY2039904	3x95+3G50/3+2x2,5	43,1	3264,2	4290	8550	3/0
01050GY2039905	3x120+3G70/3+2x2,5	47	4176	5480	10800	4/0
01050GY2039906	3x150+3G70/3+2x2,5	53,9	5040	6790	13500	250 MCM
01050GY2039907	3x185+3G95/3+2x2,5	56,7	6287	8030	16650	350 MCM
01050GY2039908	3x240+3G120/3+2x2,5	65,1	8112	10660	21600	450 MCM

SECTIONS WITHOUT ANTI-TWISTING PROTECTION

01051GY2037M71	3x240+3G120/3	61,4	7830	9400	21600	450 MCM
01051GY2039900	3x25+3G16/3+2x1,5	25,6	902	1390	1500	4
01051GY2039901	3x35+3G16/3+2x1,5	28	1190	1740	2100	2
01051GY2039902	3x50+3G25/3+2x1,5	32,4	1708	2430	3000	1
01051GY2039903	3x70+3G35/3+2x2,5	36,2	2400,8	3280	4200	2/0
01051GY2039904	3x95+3G50/3+2x2,5	40,7	3264,2	4080	5700	3/0
01051GY2039905	3x120+3G70/3+2x2,5	45,5	4176	5310	7200	4/0
01051GY2039906	3x150+3G70/3+2x2,5	50,7	5040	6410	9000	250 MCM
01051GY2039907	3x185+3G95/3+2x2,5	54,8	6287	7830	11100	350 MCM
01051GY2039908	3x240+3G120/3+2x2,5	61,6	8112	9930	14000	450 MCM

Other dimensions and colors available on request.