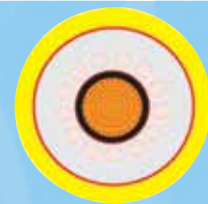




FLEXIDRUM® UL TPE/PUR

CE



Construction:

Conductor:	red copper, fine stranding acc. to VDE 0295 class 6 (from 1,5 to 35 mm ²) from 50 mm ² fine stranding acc. to VDE 0295 class 5
Insulation:	special TPE
Cores color:	up to 5 cores acc. to VDE 0293 from 7 cores white with black numbered + green/yellow conductor
Stranding:	central textile support
Inner sheath:	special PUR
Supporting screen:	high-tech yarns
Outer sheath:	special yellow PUR, yellow (RAL 1021), black (RAL 9005)

Technical data:

Temperature range	
Fixed installation:	- 50°C + 80°C
Flexible application:	- 40°C + 80°C
Nominal voltage:	0,6/1 kV
Test voltage:	4000 V
Insulation resistance:	> 20 MOhm x km
Min bending radius: for laying and installation (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
Min. tensile strength:	25 N per mm ² (standard type) 35 N per mm ² (reinforced type)
Fire resistant:	VDE 0482, EN, IEC 60332-1-2
Oil resistant:	acc. to DIN VDE 0472 part 803 test B
Max speed:	up to 250 m/min. Please inquire for higher speeds
Resistant to:	halogen-free and flame resistant

Outstanding features:

- ▶ Vertical use
- ▶ halogen-free and flame resistant
- ▶ small cable weight
- ▶ small outer diameter
- ▶ AWM style 10264/20235 80° 1000 V CSA AWM II A/B 90°C 600 V FT1
- ▶ for SPEED and MINIMUM BENDING RADIUS see pages 1,2,3/5,6 of catalogue

Other construction and sizes are available on request

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. *)
072104151	4x1,5	10,5	57,6	165	150	16
072105151	5x1,5	11,0	72,0	185	190	16
072107151	7x1,5	13,0	100,8	255	265	16
072112151	12x1,5	18,5	172,8	345	450	16
072118151	18x1,5	18,8	259,2	540	675	16
072124151	24x1,5	21,5	345,6	670	900	16
072130151	30x1,5	24,8	432,0	910	1125	16
072136151	36x1,5	25,7	518,4	945	1350	16
072142151	42x1,5	26,7	604,8	1070	1575	16
072151151	51x1,5	31,3	734,4	1530	1920	16
072104251	4x2,5	12,0	96,0	220	250	14
072105251	5x2,5	13,0	120,0	280	315	14
072107251	7x2,5	15,0	168,0	340	440	14
072112251	12x2,5	20,5	288,0	550	750	14
072118251	18x2,5	21,3	432,0	740	1125	14
072124251	24x2,5	25,1	576,0	995	1500	14
072130251	30x2,5	27,9	720,0	1260	1875	14
072136251	36x2,5	28,5	864,0	1335	2250	14
072142251	42x2,5	31,5	1008,0	1525	2625	14
072150251	50x2,5	34,9	1200,0	2150	3125	14
072151251	51x2,5	35,5	1224,0	2200	3190	14
072104401	4x4	12,8	153,6	280	400	12
072105401	5x4	14,5	192,0	370	500	12
072104601	4x6	17,2	230,4	420	600	10
072105601	5x6	18,0	288,0	520	750	10
072107601	7x6	21,2	403,2	730	1050	10

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. *)
072104611	4x10	19,9	384,0	645	1000	8
072105611	5x10	21,2	480,0	780	1250	8
072107611	7x10	26,0	672,0	1060	1750	8
072104621	4x16	24,0	614,4	950	1600	6
072105621	5x16	26,0	768,0	1180	2000	6
072104631	4x25	28,0	960,0	1500	2500	4
072104641	4x35	30,4	1344,0	2130	3500	2
072104651	4x50	35,5	1920,0	2620	5000	1
072104661	4x70	40,5	2688,0	3715	7000	2/0
072104671	4x95	50,9	3648,0	4810	9500	3/0
072104681	4x120	53,2	4608,0	5915	12000	4/0
072104691	4x150	56,3	5760,0	7120	15000	250 MCM
072193651	3x50+3x10	35,0	1728,0	2620	3750	1
072194621	4x16+4x2,5	24,0	710,4	1060	2050	6
072194621	4x16+2x(4x1,5)C	29,5	925,0	1525	1600	6
REINFORCED TYPE						
072124151BD	24x1,5	23,5	345,6	690	1260	16
072130151BD	30x1,5	27,7	432,0	935	1575	16
072136151BD	36x1,5	29,3	518,4	970	1890	16
072142151BD	42x1,5	29,8	604,8	1200	2200	16
072149151BD	49x1,5	32,9	705,6	1520	2580	16
072124251BD	24x2,5	26,7	576,0	1015	2100	14
072130251BD	30x2,5	29,1	720,0	1310	2625	14
072136251BD	36x2,5	32,5	864,0	1425	3150	14
072142251BD	42x2,5	33,8	1008,0	1650	3675	14
072149251BD	49x2,5	38,3	1176,0	1700	4280	14