

# ROBOFLEX 2001/2001-C Robot cables screened, EMC-preferred type meter marking



C



## 기술사양

- 특수 TPE-E/PUR 로봇케이블 (DIN VDE 0245,0250,0282)
- 온도범위  
이송시 -30°C ~ +80°C  
고정 설치시 -40°C ~ +80°C
- 정격전압  
up to 0.34mm<sup>2</sup> 350V(operating peak voltage)  
above 0.5mm<sup>2</sup> U<sub>0</sub>/U 300V/500V
- 시험전압  
up to 0.34mm<sup>2</sup> 1.5kV. 5mins.  
above 0.5mm<sup>2</sup> 3.0kV. 5mins.
- 상호 정전 용량  
core/core 100nF/km  
core/screen 120nF/km
- 인덕턴스 0.69 mH/km
- 최소 곡률 반경 7.5 x cable ø
- 특징  
저온에서 유연성  
마찰력과 유연성  
비틀림 각도 ±360도/미터

## 케이블 구조

- 미세/초미세 구리연선  
DIN VDE 0295 d.5 또는 d.6  
BS 6360 cl.5 또는 d.6  
IEC 60228 d.5 또는 d.6 (0.34mm<sup>2</sup> 까지)  
cl.6 (0.5mm<sup>2</sup> 이상)
- 코아절연 TPE
- 코아식별  
0.34mm<sup>2</sup>까지는 DIV VDE 47100  
0.5mm<sup>2</sup> 이상은 흑색외피에 백색연속 번호이며 3코아 이상은 접지선 포함
- 코아 최적 피치로 코아 적층 연선
- 특수 부리 필름
- 절드타입의 경우 CU절드로 약 85-95%임
- 특수 폴리우레탄외피, 흑색 그리고 노란색
- 외피 난연성 DIN VDE 0482 part 265-2-1/EN 50265-2-1/IEC 60332-1(DIN VED 0472 part 804 검사방법 B와 상응)

## 용도

- 본 케이블은 비틀림과 구부림에 동시에 적합하도록 설계되었음
  - Resistant to  
-microbes and corrosion  
-oxygen and ozone  
-vibration  
-UV-radiation  
-solvents  
-acids and alkalis  
-hydraulic fluids
- largely resistant to oil and fats  
\*ENC = 전자기 간섭 차단성

## Note

- Special type  
Part No. : 701635 3G25  
yellow jacket  
Part No. : 702795 3G16  
black jacket  
Part No. : 701415 12G1.0  
yellow jacket  
Part No. : 701416 18G1.0  
yellow jacket  
Part No. : 701417 25G1.0  
yellow jacket

## ROBOFLEX 2001

Part No.	No. cores x cross-sec. mm <sup>2</sup>	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
25459	7 x 0,25	5,8	16,8	48,0	24
25439	12 x 0,25	7,6	28,8	71,0	24
25460	25 x 0,25	10,4	60,0	143,0	24
25461	2 x 0,34	4,0	6,6	28,0	22
25462	3 x 0,34	4,0	9,8	34,0	22
25440	7 x 0,34	5,7	22,8	51,0	22
25449	12 x 0,34	8,3	39,2	69,0	22
25463	12 x 0,5	10,4	57,8	90,0	20
25519	16 x 0,5	11,7	76,8	277,0	20
25464	18 x 0,5	12,7	86,4	121,0	20
25465	25 x 0,5	14,2	120,0	256,0	20
25466	4 x 0,75	6,0	28,8	63,0	18
25450	7 x 0,75	7,9	50,4	96,0	18
25467	12 x 0,75	11,5	84,4	171,0	18
25468	14 x 0,75	12,8	100,8	200,0	18
25469	2 x 1	6,0	19,2	48,0	17
25470	3 x 1	6,0	29,0	60,0	17
25471	4 x 1	6,3	38,4	78,0	17
25472	7 x 1	8,5	67,2	131,0	17
25473	12 x 1	12,5	115,2	216,0	17
25474	18 x 1	15,4	172,8	306,0	17
25475	25 x 1	17,4	240,0	432,0	17
25476	34 x 1	21,3	326,4	569,0	17
25477	41 x 1	23,2	393,6	694,0	17
25520	3 x 1,5	6,9	43,2	94,0	16
25529	4 x 1,5	7,9	57,6	107,0	16
25509	8 x 1,5	11,1	115,2	292,0	16
25478	12 x 1,5	15,5	172,8	356,0	16
25479	18 x 1,5	19,3	259,2	445,0	16
25480	25 x 1,5	21,8	360,0	636,0	16
25481	3 x 2,5	8,4	72,0	136,0	14
25482	4 x 2,5	9,1	96,0	170,0	14
25483	3 x 4	10,3	116,0	227,0	12
25530	4 x 4	11,2	153,6	261,0	12
25510	4 x 6	14,1	230,4	341,0	10
25484	3 x 10	15,6	288,0	518,0	8
25485	3 x 16	18,2	460,8	722,0	6
25486	3 x 25	22,9	720,0	1180,0	4
25487	3 x 35	26,5	1008,0	1600,0	2

## ROBOFLEX 2001-C

Part No.	No. cores x cross-sec. mm <sup>2</sup>	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
25539	10 x 0,14	8,1	34,2	62,0	26
25488	12 x 0,14	7,8	42,1	95,0	26
25489	18 x 0,14	9,7	54,5	120,0	26
25490	25 x 0,14	10,9	69,0	158,0	26
25491	12 x 0,25	8,3	59,5	126,0	24
25492	18 x 0,25	10,1	80,0	164,0	24
25493	25 x 0,25	11,1	103,0	215,0	24
25494	12 x 0,34	8,8	78,0	160,0	22
25495	18 x 0,34	10,8	101,0	210,0	22
25496	25 x 0,34	12,1	158,0	305,0	22
25497	12 x 0,5	11,2	117,0	175,0	20
25498	18 x 0,5	13,6	160,0	231,0	20
25499	25 x 0,5	14,8	255,0	347,0	20
25500	12 x 0,75	11,8	155,0	220,0	18
25501	18 x 0,75	15,0	210,0	305,0	18
25502	25 x 0,75	16,6	275,0	415,0	18
25503	12 x 1	13,0	190,0	265,0	17
25504	18 x 1	16,1	245,0	390,0	17
25505	28 x 1	18,0	345,0	540,0	17
25506	12 x 1,5	16,2	260,0	345,0	16
25507	18 x 1,5	20,3	370,0	485,0	16
25508	25 x 1,5	22,5	498,0	710,0	16

Dimensions and specifications may be changed without prior notice.