



CC-Robotflex PUR-D-91 / 92 / 93

机器人电缆，无卤，超柔性，屏蔽

ConCab kabel gmbh



应用领域

CC-Robotflex PUR-D-91 超柔性，屏蔽，设计用于机器人系统，自动装卸设备并且用于无特殊移动的机械装置。特殊电缆构造和高质量零部件使该电缆能够在很长使用寿命内达到高弯曲半径和扭转周期要求。其可用于有侵蚀性矿物油渗漏的区域以及需要电缆承受高机械应力的场合。PUR 外护套抗撕裂和耐磨损。

application

CC-Robotflex PUR-C-91 superflexible shielded, is designed for robotic systems, automatic handling equipment and for machineries with no special movement schedule. It can be used in- and outdoors. A special cable construction and high quality components allow the cable to meet high bending radius and torsion cycles over a long service life. It can be used in areas where aggressive and mineral oils occur and where the cable is exposed to high mechanical stress. The PUR outer sheath is cut and notch resistant and non-abrasive.

构造

超细裸铜丝多股精绞成束，TPE 芯线绝缘，芯线颜色按照 DIN 47100 标准。芯线大于 0,5mm² 为黑色带连续白色数字编号。3 芯及以上含绿黄保护接地导体。芯线绞合成束，并且铺设成阶层，特殊芯线包裹在每层外。镀锡铜丝螺旋屏蔽，PUR 外护套，抗紫外线，不黏连，阻燃和自熄（符合 DIN EN 60332-1-2 VDE 0482 332-1-2:2005-06 部分标准），抗水解和微生物。外护套颜色为黑色 (RAL 9005)。

construction

Superfine strands of bare copper wires, polyester (TPE) core insulation, data core colours acc. to DIN 47100. Cores from 0,5 mm² are black with consecutive white numbering. 3 cores and more with greenyellow protective conductor in the outer layer. Cores twisted in bundels and laid in layer, special wrapping over each layer. Spiral shield of tinned copper wires. PUR-based outer sheath, UV-resistant, low-adhesive, flame retardant and self-extinguishing (acc. DIN EN 60332-1-2 VDE 0482 part 332-1-2:2005-06), resistant to hydrolysis and microbes. Colour black (RAL 9005).

技术数据 / technical data

额定电压 / rated voltage:	DIN VDE/IEC	大于 / up to 0,34mm ²	300 V
		小于 /from 0,50mm ²	300/500V
	UL/CSA	小于 /up to 0,34mm ²	300 V
		小于 /up to 1,5mm ²	600 V
		小于 /up to 2,5mm ²	1.000 V
测试电压 / test voltage:		小于 / up to 0,34mm ²	1.500 V
		小于 / up to 0,50mm ²	3.000 V
导体绞合方式 / conductor stranding:		细纯铜丝精绞 / bare fine copper strands,	
		符合 / acc. to DIN VDE 0295, 6 类标准 / class 6	
绝缘阻抗 / insulation resistance:		最小 100 MOhm x km	
温度范围 / temperature range:		固定安装 / fixed installation: -50° C 至 /to +80° C	
		移动 / flexible application: -30° C 至 /to +80° C	
弯曲半径 / bending radius:		固定安装 / fixed installation: 7,5 x d 外径 -Ø / outer-Ø	
		移动 / flexible application: 10 x d 外径 -Ø / outer-Ø	
扭角 / torsion angle:		最大 ± 360° /m	
符合标准 / approvals:		符合 / acc. to DIN VDE 0250, 0285	
		UL: 小于 / up to 0,14mm ² Style 20549	
		UL: 大于 / from 0,25mm ² : Style 20940	
		CSA: AWM I A/B, II A/B FT1	

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robotic cable, halogen-free, super flexible, shielded



物料编码 part-no.	芯线数 + 导体截面积 / AWG no. of cores + cross-sections / AWG	铜重 copper weight kg/km	外径 outer-Ø d mm	电缆重量 weight kg/km
91 0001 012 00	[12 X 0,14/ AWG 26]	43	7,0	92
91 0001 018 00	[18 X 0,14/ AWG 26]	53	8,3	111
91 0002 012 00	[12 X 0,25/ AWG 24]	60	8,5	118
91 0002 018 00	[18 X 0,25/ AWG 24]	76	9,3	157
91 0002 025 00	[25 X 0,25/ AWG 24]	98	11,2	195
91 0003 004 00	[4 X 0,34/ AWG 22]	22	5,9	46
91 0015 012 00	[12 G 1,5/ AWG 16]	260	14,6	390
91 0015 012 01	[12 X 1,5/ AWG 16]	260	14,6	390
91 0015 018 00	[18 G 1,5/ AWG 16]	380	15,3	595
92 0001 003 00	[3 X 2 X 0,14/ AWG 26]	18	6,1	51
92 0003 003 00	[3 X 2 X 0,34/ AWG 22]	47	6,4	81
92 0003 005 00	[5 X 2 X 0,34/ AWG 22]	66	9,5	125
93 6402 101	6 X (4 X 0,21/ AWG 24) + 1 X (3 X 0,21/ AWG 24)	98	11,3	233
93 1417 022 10	2 X 0,21/ AWG 24 + 2 X 0,14/ AWG 26 + 4 X (2 X 0,14/ AWG 26) + 2 X (2 X 0,21/ AWG 24) + 3 X 0,14/ AWG 26	173	8,4	300
93 0019 10	Multibus 1 x 2 x AWG 22 + 1 X 4 X AWG 22 + 2 X 2 X AWG 24 + 1 X 4 X 1,0 + 1 X 1,0 violett	127	14,2	236

robust cables

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technical annex