

Servo cables according to BOSCH REXROTH standard for extremely dynamic applications, PUR jacket, shielded, resistant to oils, flame retardant, halogen-free

STANDARDS

Product UL and CSA approval

UL Recognized / CSA
 UL AWM 80° C 1000V
 CSA AWM I/II A/B 80° C 1000V

Oil Resistance:
 EN 60811-2-1

Flame Resistance:
 EN 50265-2-1, CSA FT1, UL 1581

Toxicity:
 Halogen free

DESIGN

1. Conductor: Stranded bare copper
2. Core insulation: Polyolefin
3. Core stranding: Power cores stranded with fillers
4. Core identification:
 Power: U/L1/C/L+; V/L2; W/L3/D/L-; GN/YE
 Signal: Black numbered 5-6; 7-8
5. Shield:
 Total shield: Tinned copper braid, coverage $\geq 85\%$
 Pairs shield: ALU/PET foil + Tinned copper braid, coverage $\geq 85\%$
6. Jacket: PUR
7. Colour: Orange, RAL 2003
 (available also in Green RAL 6018)



CONTACT

Market information
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无卤
是



操作温度
-30 ... 80 ° C



存储温度范围
-50 ... 80 ° C



耐油
EN 50363-10-2



阻燃 - 火焰
IEC/EN 60332-1-2; FT1; UL 1581 FT1

CHARACTERISTICS

结构特性

导体材料	Stranded bare copper
绝缘	聚烯烃
绝缘色	Power: U/L1/C/L+ V/L2 W/L3/D/L- Ye/Gr Signal: Black num 5-6 7-8
绞合	power cores and control pairs stranded with filler
Taping	Non woven tape
屏蔽	≥85% tinned copper braid coverage
外护套	PUR
护套颜色	Orange RAL 2003
无卤	是

电气特性

Rated Voltage U _o /U	0. 6/1 kV
测试电压	4000 V

机械特性

Maximum acceleration	50 m/s ²
弯曲循环	10 Mio.
速度	300 m/min

使用特性

应用类型	动态
最小弯曲半径 – 动态	7.5 (xD)
操作温度范围	-30 ... 80 ° C
存储温度范围	-50 ... 80 ° C
耐油	EN 50363-10-2
阻燃 – 火焰	IEC/EN 60332-1-2; FT1; UL 1581 FT1

PRODUCT LIST

Reference	Country Ref.	Name	结构类型	标称外径 [mm]	铜含量 [kg/km]
10553152	13-EBY19Z08P-A5	(4G0, 75 + 2x(2x0, 34)C)C	(4G0. 75 + 2x(2x0. 34)C)C	9. 6	93
10553151	13-EBY17Z08P-A5	(4G1, 00 + 2x(2x0, 75)C)C	(4G1. 0 + 2x(2x0. 75)C)C	11. 6	170
10553147	13-EBY15Z08P-A5	(4G1, 50 + 2x(2x0, 75)C)C	(4G1. 5 + 2x(2x0. 75)C)C	11. 8	189
10553144	13-EBY13Z08P-A5	(4G2, 50 + 2x(2x1)C)C	(4G2. 5 + 2x(2x1. 0)C)C	13. 0	234
10553142	13-EBY11Z08P-A5	(4G4 + (2x1)C+(2x1, 5)C)C	(4G4 + (2x1. 5)C + (2x1. 0)C)C	16. 0	320
10553141	13-EBY09Z08P-A5	(4G6 + (2x1)C+(2x1, 5)C)C	(4G6 +(2x1. 5)C + (2x1. 0)C)C	18. 1	395
10553140	13-EBY07Z08P-A5	(4G10 + (2x1)C+(2x1, 5)C)C	(4G10 + (2x1. 5)C + (2x1. 0)C)C	20. 4	620
10553139	13-EBY05Z08P-A5	(4G16 + 2x(2x1, 5)C)C	(4G16 + 2x(2x1. 5)C)C	23. 6	903
10553138	13-EBY03Z08P-A5	(4G25 + 2x(2x1, 5)C)C	(4G25 + 2x(2x1. 5)C)C	27. 6	1310

= Make to order, = In stock,