



## CONTACT

Market information  
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Servo cables with control pair for dynamic applications, PVC jacket, shielded, resistant to oils, flame retardant

## STANDARDS

**Product** UL and CSA approval

### Normative references:

**UL recognised / CSA**  
 AWM 80°C - 600V/1000V  
 AWM 80°C - 600V/1000V FT1

### Oil resistance

IEC 50363-4-1

### Flame retardant

IEC 60331-1-2; FT1; UL 1581; EN 50265-2-1

## CHARACTERISTICS

### Construction characteristics

Conductor material	Stranded bare copper
Insulation	Polyolefin
Insulation colour	Power: U/L1/C/L+ V/L2 W/L3/D/L- Ye/GN; Signal: Black - White
Lay Up	power cores and control pairs stranded with filler
Taping	Non woven tape
Shielding	80% tinned copper braid coverage
Outer sheath	PVC
Sheath colour	Orange RAL 2003

### Electrical characteristics

Rated Voltage Uo/U	0.6/1 kV
Test voltage	4000 V

### Mechanical characteristics

Maximum acceleration	15 m/s <sup>2</sup>
Bending cycles	5 Mio.
Speed	180 m/min



Operating temp.  
-15 ... 80 °C



Storage temperature, range  
-20 ... 80 °C



Oil resistance  
EN 50363-4-1



Flame retardant  
IEC/EN 60332-1-2; FT1; UL 1581 FT1

## Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	10 (xD)
Operating temperature, range	-15 ... 80 °C
Storage temperature, range	-20 ... 80 °C
Oil resistance	EN 50363-4-1
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1

## PRODUCT LIST

Reference	Country Ref.	Name	Construction type	Nominal outer diameter [mm]	Copper content [kg/km]
☎ 13-EYS02Z06R-A5	13-EYS02Z06R-A5	13-EYS (4G35 + (2x1,5)C)C	(4G35 + (2x1.5)C)C	30.9	1570
☎ 10553259	13-EYS03Z06R-A5	13-EYS (4G25 + (2x1,5)C)C	(4G2.5 + (2x1.5)C)C	26.6	1166
📦 10553265	13-EYS05Z06R-A5	13-EYS (4G16 + (2x1,5)C)C	(4G16 + (2x1.5)C)C	23.1	803
📦 10553272	13-EYS07Z06R-A5	13-EYS (4G10 + (2x1,5)C)C	(4G10 + (2x1.5)C)C	19.4	560
📦 10553274	13-EYS09Z06R-A5	13-EYS (4G6 + (2x1,5)C)C	(4G6 + (2x1.5)C)C	16.8	364
📦 10553277	13-EYS11Z06R-A5	13-EYS (4G4 + (2x1,5)C)C	(4G4 + (2x1.5)C)C	14.8	272
📦 10553281	13-EYS13Z06R-A5	13-EYS (4G2,50 + (2x1,5)C)C	(4G2.5 + (2x1.5)C)C	13.4	204
📦 10553284	13-EYS15Z06R-A5	13-EYS (4G1,50 + (2x1,5)C)C	(4G1.5 + (2x1.5)C)C	11.6	155
☎ 13-EYS01Z06R-A5	13-EYS01Z06R-A5	13-EYS (4G50 + (2x1,5)C)C	(4G50 + (2x1.5)C)C	34.0	2299

☎ = Make to order, 📦 = In stock,



Operating temp.  
-15 ... 80 °C



Storage temperature, range  
-20 ... 80 °C



Oil resistance  
EN 50363-4-1



Flame retardant  
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