



## CONTACT

Market information  
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Servo cables 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:

EN 50363-4-1

### Flame Resistance:

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

## CHARACTERISTICS

### Construction characteristics

Conductor material	Stranded bare copper
Insulation	Polyolefin
Insulation colour	U/L1/C/L + V/L2 W/L3/D/L - Yellow/Green
Lay Up	Power cores 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 U <sub>0</sub> /U	0.6/1 kV
Test voltage	4000 V

### Mechanical characteristics

Maximum acceleration	15 m/s <sup>2</sup>
Bending cycles	10 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]
10553282	13-EYS15G04R-A5	13-EYS (4Gx1,50)C	(4G1,5)C	9.1	91
10553278	13-EYS13G04R-A5	13-EYS (4Gx2,50)C	(4G2,5)C	10.6	145
10553275	13-EYS11G04R-A5	13-EYS (4Gx4)C	(4G4)C	11.9	215
10553273	13-EYS09G04R-A5	13-EYS (4Gx6)C	(4G6)C	14.5	335
10553268	13-EYS07G04R-A5	13-EYS (4Gx10)C	(4G10)C	17.5	532
10553262	13-EYS05G04R-A5	13-EYS (4Gx16)C	(4G16)C	21.6	833
10553256	13-EYS03G04R-A5	13-EYS (4Gx25)C	(4G25)C	25.2	1210
10553253	13-EYS02G04R-A5	13-EYS (4Gx35)C	(4G35)C	28.6	1638
13-EYSA1G04R-A5	13-EYSA1G04R-A5	13-EYS (4Gx50)C	(4G50)C	33.4	2393
13-EYSA2G04R-A5	13-EYSA2G04R-A5	13-EYS (4Gx70)C	(4G70)C	42.0	3440
13-EYSA3G04R-A5	13-EYSA3G04R-A5	13-EYS (4Gx95)C	(4G95)C	49.7	4794
13-EYSB2G04R-A5	13-EYSB2G04R-A5	13-EYS (4Gx120)C	(4G120)C	54.0	5745
13-EYSA5G04R-A5	13-EYSA5G04R-A5	13-EYS (4Gx150)C	(4G150)C	61.0	7060
13-EYSB1G04R-A5	13-EYSB1G04R-A5	13-EYS (4Gx185)C	(4G185)C	64.2	8596

= Make to order, = In stock,



Operating temp.  
-15 ... 80 °C



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



Oil resistance  
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