

## RH SERIES

**High Performance Flexible Energy Chain Control Cable**  
300/500V 80°C



### APPLICATIONS:

**Energy/Drag Chains** Designed for continuous movement where tight bending radii is required.

**Control and Signals** As power control or signal cables on machines, portable tools, conveying equipment or similar industrial applications.

### PRODUCT FEATURES:

- ▶ Extra high flexibility suitable for continuous movement
- ▶ Suitable for tight bending radii
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Heat, oil and chemical resistant (*See Technical Section*)

### CONSTRUCTION:

**Conductor** Annealed plain copper stranded extreme flexibility (Class 5 & 6).

**Insulation** Special SPVC with the cores stranded together in layers (if needed) while each layer has a different lay direction:

1<sup>st</sup> layer – left direction. 2<sup>nd</sup> layer – right direction.

Each layer has a special wrapping for increased flexibility.

**Sheath** Special SPVC.

### CHARACTERISTICS:

**Operating Temperature Range** Fixed -20°C to 80°C / Flexing -5°C to 80°C.

**Maximum Conductor Temperature** 80°C.

**Rated Voltage** U<sub>o</sub>/U 300/500v **Max AC Operating Voltage** U<sub>o</sub> 318v.

**Minimum Bending Radius** Fixed 5 x cable diameter / Flexing 7.5 x cable diameter.

**Sheath Colour** Grey.

**Standard Core Colours** Black (numbered) + 1 Green/Yellow Earth.

**Max. speed** 2m/s.

**Max. acceleration** 10m/s<sup>2</sup>.

**Max. cycle** >1 million.

**Relevant Standards** VDE 0295 Class 6, VDE 0281, VDE 0812, IEC 60332-1, IEC 60228, **CE** Directive 2006/95/EC,

**RoHS** Compliant.

Code	No. of Cores x Size (mm <sup>2</sup> )	Approx. Stranding No. of wires x mm	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)
RH03/0.75G	3 x 0.75	42/0.15	5.7	73
RH04/0.75G	4 x 0.75	42/0.15	6.4	77
RH05/0.75G	5 x 0.75	42/0.15	7.0	119
RH07/0.75G	7 x 0.75	42/0.15	8.3	165
RH12/0.75G	12 x 0.75	42/0.15	10.2	247
RH18/0.75G	18 x 0.75	42/0.15	12.1	356
RH25/0/75G	25 x 0.75	42/0.15	14.9	498
RH07/1.0G	7 x 1.0	56/0.15	8.8	192
RH12/1.0G	12 x 1.0	56/0.15	10.8	295
RH18/1.0G	18 x 1.0	56/0.15	13.0	420
RH04/1.5G	4 x 1.5	84/0.15	7.4	147
RH07/1.5G	7 x 1.5	84/0.15	9.9	273
RH12/1.5G	12 x 1.5	84/0.15	12.1	391
RH18/1.5G	18 x 1.5	84/0.15	14.5	590
RH25/1.5G	25 x 1.5	84/0.15	17.8	801
RH04/2.5G	4 x 2.5	140/0.15	9.1	200

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