

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:

1st layer – left direction. 2nd 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_o/U 300/500v **Max AC Operating Voltage** U_o 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/s².

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 ²)	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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