

RHCY SERIES

High Performance Flexible CBS 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 For use on machines, portable tools, conveying equipment and other industrial applications requiring screened cables for EMC.

PRODUCT FEATURES:

- ▶ Extra high flexibility suitable for continuous movement
- ▶ Screened to prevent external interference
- ▶ Suitable for tight bending radii
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ To be earthed using EMC compatible glands
- ▶ 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.

Screening Tinned copper braid 80% minimum coverage interwoven with synthetic cross-helix to improve bending behaviour.

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, VDE 0812-1, VDE 281, 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)
RHCY03/0.75	3 x 0.75	42/0.15	7.8	128
RHCY04/0.75	4 x 0.75	42/0.15	8.3	184
RHCY05/0.75	5 x 0.75	42/0.15	9.1	200
RHCY07/0.75	7 x 0.75	42/0.15	10.2	269
RHCY25/0.75	25 x 0.75	42/0.15	16.1	441
RHCY04/1.5	4 x 1.5	84/0.15	9.5	243
RHCY07/1.5	7 x 1.5	84/0.15	12.2	403
RHCY04/2.5	4 x 2.5	140/0.15	11.2	264