

AR SERIES

Ultra Performance Flexible Power & Control Cable 0.6/1kV 90°C



APPLICATIONS:

Cable Festoon Systems Suitable for Backing Gate, machine and plant applications.

Energy/Drag Chains Power & Control cables for highest requirements in drag chain applications.

Food & Beverage Resistant to microbe & hydrolysis making it suitable for the food & beverage industry.

Harsh Environments With its high flexibility, robust TPE sheath and tensile strengthen centre support, this cable is suited to most harsh industrial environments including compost, sewage, car wash, laundry/humid rooms and outdoors.

PRODUCT FEATURES:

- ▶ Resistant to oil acc. to DIN EN 60811-404 4 h at +100 °C
- ▶ Silicone-free
- ▶ UV,- ozone- and weather resistant acc. EN 50396 und HD 605 S2
- ▶ Resistant to coolant fluids, microbes, hydrofluoric acid, salt acid and weakened sulfuric (See Technical section)
- ▶ NEW: with Ripcord, for faster and core protected dismantling

CONSTRUCTION:

Conductor Annealed plain copper stranded extreme flexibility (Class 6)

Insulation PELON®2

Sheath TPE

CHARACTERISTICS:

Operating Temperature Range Fixed -40°C to 90°C Flexing -30°C to 90°C

Maximum Conductor Temperature 90°C

Rated Voltage U_o/U 0.6/1kV

Max AC Operating Voltage U_o 0.7kV

Minimum Bending Radius Fixed 3 x cable diameter/ Flexing 5 x cable diameter.

Speed Self-supporting: max 10 m/s, Gliding: max 5 m/s


Traverse Length Self-supporting/Gliding max 400 m

Acceleration max 100m/s

Sheath Colour Black

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

Relevant Standards IEC 60228, IEC 60332-1, VDE 0295, DIN 47100, EN 60811, EN 50396, HD 605S2, **RoHS** Compliant, **CE** Directive 2014/35/EU, UL/CSA Approvals

Code	No. of Cores x Size (mm ²)	Approx. Stranding No. of wires x mm	Approx. Overall Diameter +/- 10% (mm)	Approx. Weight (Kg/Km)	Nominal Amps un-enclosed protected from sun @ 30°C fixed application
					Touching 
AR07/1.5	7 X 1.5	84/0.15	10	164	13
AR12/1.5	12 X 1.5	84/0.15	14.8	301	8