

## 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<sub>o</sub>/U 0.6/1kV

**Max AC Operating Voltage** U<sub>o</sub> 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 <sup>2</sup> )	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 
<b>AR07/1.5</b>	7 X 1.5	84/0.15	10	164	13
<b>AR12/1.5</b>	12 X 1.5	84/0.15	14.8	301	8