



## Hybrid cables

Less cables and reduced connection costs; Only one connection line between drive and motor-feedback system; Multi-standard approval reduces part varieties and saves costs; Easy to install

- Suitable for Hiperface DSL® motor-feedback systems
- EMC-compliant



## Product description

### Application range

- Power drive systems in automation engineering
- Connecting cable between servo controller and motor
- In power chain applications (FD version) or for fixed installation
- For use in assembling & pick-and-place machinery
- Particularly in wet areas of machine tools and transfer lines

### Benefits

- Less cables and reduced connection costs
- Only one connection line between drive and motor-feedback system
- Multi-standard approval reduces part varieties and saves costs
- Easy to install

## Product Make-up

- Design for highly flexible use: Polypropylen (PP) core insulation, PUR outer sheath, halogen-free
- Design for fixed installation: Polypropylen (PP) core insulation, PVC outer sheath
- Refer to data sheet (available upon request) for more details
- Outer sheath colour: Orange (RAL 2003)

## Norm references / Approvals

- UL-AWM-Style 21223 (highly flexible use)  
UL-AWM-Style 2570 (fixed installation design)  
cRU AWM I/II A/B FT1
- Designs for power chain use: Travel distances up to 20m (horizontal)
- For use in power chains: Please comply with the assembly guidelines listed in Appendix T3
- UL File No. E63634

## Product features

- Low-adhesive surface
- Flame retardancy:  
UL/CSA: VW-1, FT1  
IEC/EN: 60332-1-2
- Oil-resistant
- Low-capacitance design

## Technical Data

Core identification code	Power cores: black with marking U/L1/C/L+ V/L2 W/L3/D /L- GN/YE protective conductor Signal pair: white, blue Control pair (optional): black with white numbers 5,6
Classification	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Minimum bending radius	For flexible use: 7.5 x outer diameter Fixed installation: 5 x outer diameter
Nominal voltage	Power and control: IEC: $U_0/U$ : 600/1000 V UL: 1000 V Signal pair: 300 V
Test voltage	Power and control: 4 kV Signal pair: 1kV
Protective conductor	G = with GN-YE protective conductor
Temperature range	Flexing: -40°C to +90°C (UL: +80°C) Fixed installation: -40°C to +70°C (UL: +80°C)