

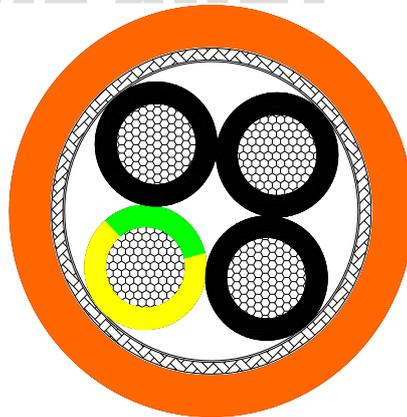
**Cables Servo Motor TKFF390 cRUus approved
High Flexible Construction suitable for use in Dynamic Applications**

1. Construction:

- Extra flexible bare Copper Conductors Class 6 IEC 60228.
- Polyolefin 9Y Insulation (UL-CSA Standard)
- Power cores : Black Numbered U/L1/C/L+, V/L2, W/L3/D/L-, Yellow/Green;
Rated Voltage : 1000V UL (0,6/1kV)
- Assembly : laid-up in layer
using proper fillers if necessary + Non-Woven Tape wrapping
- Shield : Tinned Copper Braiding 85% minimum as optical coverage
- Non-Woven Tape
- Jacket : adhesion, abrasion and halogen free, flame retardant PUR 11Y resistant to hydrolysis and most common chemical agents; oil resistant according to (UL-CSA Standard) VDE 0472 Teil 803/B, HD 21.10
- Colour Matt Orange Ral 2003
- cRUus approved

Marking:

E83517 – cRUus AWM STYLE 21209 90°C 1000V – AWM I/II A/B 90°C 1000V FT1 "FLEXING" – VDE REG.Nr. xxxx - TKFF390ST (4 G Section)H2 – IEC 60332-1 - (Year/Week) – DESINA - CE



The drawing is for illustrative purpose only

<i>Date</i>	<i>Rev.</i>	<i>Page 1 of 7</i>
14/12/20	0	<i>Emission</i>
<i>Technical Office:</i> Davide BENTIVOGLIO		<i>Customer's signature and stamp for acceptance:</i>

For Further information on this product or any other product within our range, or for any advice, please contact **Tecnikabel S.p.A.**, Via Brandizzo 243, 10088 - Volpiano (TO), Italy ☎ 011-9951997, Fax ☎ 011-9953062

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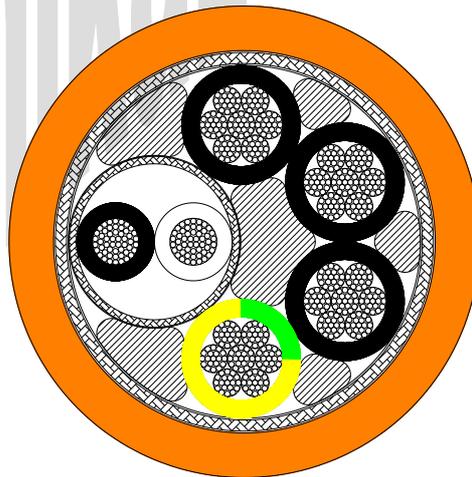
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High Flexible Construction suitable for use in Dynamic Applications**

2.Construction:

- Extra flexible bare Copper Conductors Class 6 IEC 60228.
- Polyolefin 9Y Insulation (UL-CSA Standard)
- Power cores : Black Numbered U/L1/C/L+, V/L2, W/L3/D/L- , Yellow/Green;
Rated Voltage : 1000V UL (0,6/1kV)
- Control Cores : Black - White, twisted into a pair; rated voltage 0,6/1KV
- Shielding of Control Pair with Copper Braid (C-Shield) of Tinned Copper Wires, Tape wrapping
- Assembly : Power Supply cores and Control Pair laid-up in layer using proper fillers if Necessary, Non-woven Tape wrapping.
- Shield : Tinned Copper Braiding 85% minimum as optical coverage
- Non-Woven Tape
- Jacket : adhesion, abrasion and halogen free, flame retardant PUR 11Y resistant to hydrolysis and most common chemical agents; oil resistant according to (UL-CSA Standard) VDE 0472 Teil 803/B, HD 21.10
- Colour Matt Orange Ral 2003
- cRUus approved

Marking :

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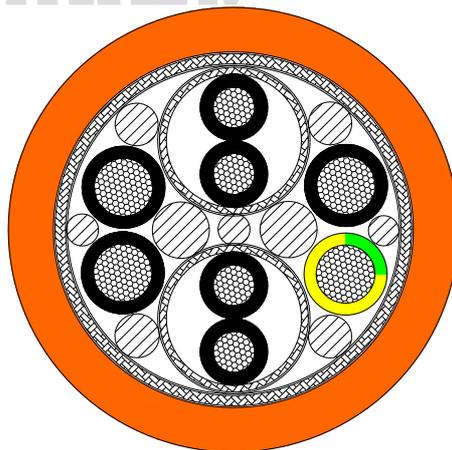
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High Flexible Construction suitable for use in Dynamic Applications**

3. Construction:

- Extra flexible bare Copper Conductors Class 6 IEC 60228.
- Polyolefin 9Y Insulation (UL-CSA Standard)
- Power cores : Black Numbered U/L1/C/L+, V/L2, W/L3/D/L-, Yellow/Green;
Rated Voltage : 1000V UL (0,6/1kV)
- Control Cores : Black Numbered 5-6 and 7-8, twisted into a pairs; rated voltage 0,6/1KV
- Shielding of Control Pairs with Copper Braid (C-Shield) of Tinned Copper Wires, Tape wrapping
- Assembly : Power Supply cores and Control Pairs laid-up in layer using proper fillers if Necessary, Non-woven Tape wrapping.
- Shield : Tinned Copper Braiding 85% minimum as optical coverage
- Non-Woven Tape
- Jacket : adhesion, abrasion and halogen free , flame retardant PUR 11Y resistant to hydrolysis and most common chemical agents; oil resistant according to (UL-CSA Standard) VDE 0472 Teil 803/B, HD 21.10
- Colour Matt Orange Ral 2003
- cRUus approved

Marking (for 1000 V):

E83517 – cRUus AWM STYLE 21209 90°C 1000V – AWM I/II A/B 90°C 1000V FT1 "FLEXING" – VDE REG.Nr. xxxx - TKFF390ST [4 G Section + 2x(2xSection)H2]H2 – IEC 60332-1 - (Year/Week) – DESINA - CE



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Electrical and Mechanical Characteristics

- Electrical Resistance at 20°C	: IEC 60228 Class 6
- Insulation Resistance	: $\geq 1 \text{ G}\Omega\text{xkm}$
- Working Voltage	: 0,6/1kV
- Test Voltage	: 4000V
- Temperature rating	: -40°C ÷ +90°C
- Minimum Bending Radius	: 5 x Ø (Static Installation) 7,5 x Ø (1,5÷16mm ² - Dynamic Installation) 10 x Ø (16÷50mm ² - Dynamic Installation)
- Maximum speed	: 300 m / min
- Maximum acceleration	: 50 m / s ²
- Chain length	: 15 m
- Flame resistance	: CEI 20-35 – EN 50265-1-2 – IEC 60332-1-2 – UL VW-1 – CSA FT1
- Halogen Free	: CEI 20-37 – EN 50267-2-1 – IEC 60754-1
- Hydrocarbons and oil resistance	: UL 1581 – VDE 0472 part 803 A/B

European Directives 2015/863/EU (RoHS 3 - Reduction of Hazardous Substances) and 2012/19/EU (WEEE – Waste from Electrical and Electronic Equipment)

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