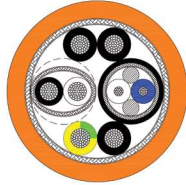


HYBRID SERVO CABLE SHIELDED 0.6/1KV

CABLES FOR HIGH DYNAMIC APPLICATIONS PUR OIL RESISTANT, UL/CSA APPROVAL, HALOGEN FREE



CABLE SPECIFICATIONS

**Conductor**

CEI 20-29 Class 6 - IEC 60228 Class 6 - VDE 0295 Class 6

**Insulation**

Polyolefin (UL-CSA Standards)

**Core identification**

Black Numbered U/L1/C/L+, V/L2, W/L3/D/L-, Yellow/Green

Pairs Identification

One pair: blue, white. Two pairs: black, white and blue, white

**Pairs Shield**

Tinned Copper Coverage $\geq 85\%$ according to EMC 89/336 ©

**Overall Shield**

Tinned Copper Coverage $\geq 85\%$ according to EMC 89/336 ©

**Sheath**

Polyurethane 11Y (UL-CSA Standards)

**Outer jacket colour**

Orange Ral 2003 according to DESINA colour chart page 163, other colours available upon request

TECHNICAL DATA

**Operating voltage**

1000V

**Test voltage**

4000V a.c.

**Temperature range**

$-40^{\circ}\text{C} \div +90^{\circ}\text{C}$

**Bending Radius**

$5 \times \varnothing$ (Static Installation)
 $7.5 \times \varnothing$ (1.5 - 16mm² / Dynamic Installation)

**Maximum Speed**

300 m/min

**Maximum Acceleration**

50 m/s²

**Maximum Chain length**

15 m (horizontal)

**Flex life**

5.000.000 cycles tested

**Torsion**

Please contact our technical support office

**Maximum Pulling Force**

20N/mm² (dynamic use) or 50N/mm² (static use)

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REFERENCE STANDARDS



Cable according to **UL758, UL1581 and CSA C22.2 210.2**

UL 90°C 1000V - Style 21209 - CSA AWM I/II A/B
90°C 1000V



Hydrocarbons and Oil Resistance
UL 1581 - VDE 0472 part 803 A/B



Flame Retardant
CEI 20-35 - EN50265 - IEC 60332-1 - UL VW-1 - CSA FT1



Water Resistance
UL 1581 - IEC 60811



Halogen Free
CEI 20-37 - IEC 60754-1 - EN 50267-2-1



EC Directives Product compliant with Low Voltage Regulation 72/33/EEC



Directive EMC 2014/30/EU Electromagnetic Compatibility

MAIN FEATURES

DSL

TECNIKABEL CODE	DESCRIPTION	Ø NOMINAL (mm)	COPPER WEIGHT (Kg/Km)	CABLE WEIGHT (Kg/Km)
540TKFF39D02	[4G1+(2xAWG22)H2/H]H2	10.60	93	163
545TKFF39D02	[4G1,5+(2xAWG22)H2/H]H2	11.20	113	194
555TKFF39D02	[4G2,5+(2xAWG22)H2/H]H2	12.60	161	253
565TKFF39D02	[4G4+(2xAWG22)H2/H]H2	14.00	222	325
530TKFF39D01	[4G0,50+(2x0,50)ST+(2xAWG22)H2/H]H2	11.30	93	173
540TKFF39D01	[4G1+(2x0,75)ST+(2xAWG24)H2/H]H2	11.90	113	201
540TKFF39D03	[4G1+(2x0,75)ST+(2xAWG22)H2/H]H2	11.90	126	209
545TKFF39D01	[4G1,5+(2x1)ST+(2xAWG22)H2/H]H2	12.80	145	238
555TKFF39D01	[4G2,5+(2x1)ST+(2xAWG22)H2/H]H2	14.00	198	298
565TKFF39D01	[4G4+(2x1)ST+(2xAWG22)H2/H]H2	15.80	265	388
570TKFF39D01	[4G6+(2x1)ST+(2xAWG22)H2/H]H2	17.80	336	481
580TKFF39D01	[4G10+(2x1,5)ST+(2xAWG22)H2/H]H2	21.00	532	736
585TKFF39D01	[4G16+(2x1,5)ST+(2xAWG22)H2/H]H2	26.00	776	1099

HIPERFACE[®]
DSL

...guaranteed up to 100 m...

