

MOTOR, SERVO, & FEEDBACK CABLES

Temperature (°C) - flexing

Temperature (°C) - fixed

Nominal voltage U₀/U

Bending radius - flexing x Ø

Bending radius - fixed x Ø

Halogen-free

UV-resistant

Outdoor use

Drag Chain

Colored cores/VDE 0293

Screened/shielded

HAR/VDE REG no./VDE
UL/CSA

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Motor, servo, and feedback cables														
	Temperature (°C) - flexing	Temperature (°C) - fixed	Nominal voltage U ₀ /U	Bending radius - flexing x Ø	Bending radius - fixed x Ø	Halogen-free	UV-resistant	Outdoor use	Drag Chain	Colored cores/VDE 0293	Screened/shielded	HAR/VDE REG no./VDE	UL/CSA	Page
TOPFLEX® 600-PVC	-15 to +80	-40 to +80	0.6/1 kV	7.5x	4x									197
TOPFLEX® 600-C-PVC	-15 to +80	-40 to +80	0.6/1 kV	7.5x	4x					X				198
TOPFLEX® 611-PUR	-30 to +80	-40 to +80	0.6/1 kV	7.5x	4x	X	X	X	X					199
TOPFLEX® 611-C-PUR	-30 to +80	-40 to +80	0.6/1 kV	10x	5x	X	X	X	X		X			200
TOPSERV® 110 / 120	-30 to +80	-40 to +80	0.6/1 kV	7.5x	4x	X	X	X	X		X			201
Feedback cable	-5 to +70	-30 to +80	350	10x						X	X			202
Feedback cable PUR	-30 to +80	-40 to +80	250	10x	5x	X	X	X	X	X	X			203
TOPFLEX® - EMV-2YSLCYK-J	+5 to +70	-40 to +70	0.6/1 kV	20x	10x					X	X			204
TOPFLEX® - EMV-3 PLUS 2YSLCY-J	+5 to +70	-40 to +70	0.6/1 kV	20x	10x					X	X			205
TOPFLEX® - EMV-UV-2YSLCYK-J	-5 to +70	-40 to +70	0.6/1 kV	20x	10x		X	X		X	X			206
TOPFLEX® - EMV-UV-3 PLUS 2YSLCYK-J	-5 to +70	-40 to +70	0.6/1 kV	20x	10x		X	X		X	X			207
TOPFLEX® - EMV-UV-2XSLCYK-J	-5 to +90	-40 to +90	0.6/1 kV	20x	10x		X	X		X	X			209
TOPFLEX® - EMV-UV-3 PLUS 2XSLCYK-J	-5 to +90	-40 to +90	0.6/1 kV	20x	10x		X	X		X	X			211
TOPFLEX® - EMV-UV-2XSLCH-J	-5 to +90	-40 to +90	0.6/1 kV	20x	10x	X				X	X			213
TOPFLEX® - EMV-UV-3 PLUS 2XSLCH-J	-5 to +90	-40 to +90	0.6/1 kV	20x	10x	X				X	X			215
TOPFLEX® MOTOR 109	-5 to +70	-40 to +80	0.6/1 kV	20x	10x	X	X	X		X	X			217

The selection table is intended as an initial orientation.
Please see the relevant page of the catalogue for detailed information on the product properties.

SELECTION TABLE - DRAG CHAIN CABLES

Max. movement distance in m
 (10 m up to 25-cores)
 Min. bending radius - flexing
 (D=outer Ø)
 Max. speed (m/s)
 Max. acceleration (m/s²)
 Max. cycles
 Material
 Nominal voltage U_N / U_o /
 Operating voltage
 Temperature (°C) - flexing
 Approvals
 Page
 UL / CSA
 equivalent

PUR motor & servo cables for drag chains												
TOPFLEX® 611-PUR	30	7.5 x D	4	50	11 Mio	PP/PUR	600/1000V	-30° to +80°			199	431
TOPFLEX® 611 C-PUR	30	10 x D	4	50	11 Mio	PP/CU/PUR	600/1000V	-30° to +80°			200	437
TOPSERV® 110	30	7.5 x D	3	10	11 Mio	PP/CU/PUR	600/1000V	-30° to +80°			201	468
TOPSERV® 120	30	7.5 x D	3	10	11 Mio	PP/CU/PUR	600/1000V	-30° to +80°			201	468
PUR feedback cables for drag chain cables												
Tachofeedback-cable-C-PUR	30	10 x D	4	50	9 Mio	PP/CU/PUR	450V	-30° to +80°			203	470
Incremental encoder cable C-PUR	30	10 x D	4	50	9 Mio	PP/CU/PUR	250V	-30° to +80°			203	470
TOPFLEX®-PUR	30	10 x D	4	50	9 Mio	PP/CU/PUR	350V	-30° to +80°			203	470

A cycle is a double lift: a representative sample has been tested and measured in our Test Workshop. The cycle count is only valid when appropriately and professionally installed (see the installation manual: cable installation in drag chains, see pages 1036 and 1037).

The selection table is intended as an initial orientation.

Please see the relevant page of the catalogue for detailed information on the product properties and the selection tables cables in drag chains, see pages 1030 and 1031.