

DRAG CHAIN 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

Page



PVC drag chain 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
JZ-HF	-10 to +80	-40 to +80	300/500	7.5x	4x				X			X		160
MULTISPEED® 500-PVC	-15 to +80	-30 to +80	300/500	7.5x	4x		X	X	X					162
JZ-HF-CY	-10 to +80	-40 to +80	300/500	10x	5x				X		X	X		163
MULTISPEED® 500-C-PVC	-15 to +80	-30 to +80	300/500	7.5x	4x		X	X	X		X			165
PUR drag chain cables														
PURö-JZ-HF	-20 to +80	-40 to +80	300/500	7.5x	4x		X	X	X					167
MULTIFLEX 512®-PUR	-30 to +80	-40 to +80	300/500	5x	3x	X	X	X	X					169
MULTISPEED® 500-PUR	-30 to +80	-40 to +80	300/500	7.5x	4x	X	X	X	X					171
PURö-JZ-HF-YCP	-20 to +80	-40 to +80	300/500	10x	5x		X	X	X		X			172
MULTIFLEX 512®-C-PUR	-30 to +80	-40 to +80	300/500	7.5x	4x	X	X	X	X		X			174
MULTISPEED® 500-C-PUR	-30 to +80	-40 to +80	300/500	7.5x	4x	X	X	X	X		X			176
MULTISPEED® 500-TPE	-30 to +80	-40 to +80	300/500	5x	3x	X	X	X	X					177
MULTISPEED® 500-C-TPE	-30 to +80	-40 to +80	300/500	5x	3x	X	X	X	X		X			179
Bio-oil resistant and microbe-resistant drag chain cables														
BIOFLEX-500®-JZ-HF	-20 to +80	-40 to +80	300/500	10x	4x			X	X					181
BIOFLEX-500®-JZ-HF-C	-20 to +80	-40 to +80	300/500	15x	4x			X	X		X			182
KOMPOSPEED® JZ-HF-500	-30 to +90	-40 to +100	300/500	7.5x		X	X	X	X					184
KOMPOSPEED® JZ-HF-500-C	-30 to +90	-40 to +100	300/500	7.5x		X	X	X	X		X			185
Data drag chain cables														
SUPERTRONIC®-PVC	-5 to +70	-40 to +70	350	5x	3x				X	X				187
SUPERTRONIC®-C-PVC	-5 to +70	-40 to +70	350	7.5x	4x				X	X	X			188
SUPERTRONIC®-PURö	-5 to +70	-40 to +70	350	5x	3x		X	X	X	X				189
SUPERTRONIC®-C-PURö	-30 to +70	-40 to +70	350	7.5x	4x	X	X	X	X	X	X			190
SUPER-PAAR-TRONIC-C-PUR®	-30 to +70	-40 to +70	350	10x	5x	X	X	X	X	X	X			191
SENSORFLEX-H	-30 to +80	-40 to +80	350	5x/7,5x		X		X	X	X				192

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=outerØ)	Max. speed (m/s)	Max. acceleration (m/s ²)	Max. cycles	Material	Nominal voltage U ₀ /U / Operating voltage	Temperature (°C) - flexing	Approvals	Page	UL/CSA equivalent
PVC drag chain cables													
	JZ-HF	10	7.5 x D	2	10	9 Mio	PVC/PVC	300/500V	-10° to +80°	VDE		160	423
	JZ-HF-CY	10	10 x D	2	10	9 Mio	PVC/CU/PVC	300/500V	-10° to +80°	VDE		163	427
	MULTISPEED® 500-PVC	100	7.5 x D	5	50	9 Mio	PP/PVC	300/500V	-15° to +80°			162	425
	MULTISPEED® 500-C-PVC	100	7.5 x D	5	50	9 Mio	PP/CU/PVC	300/500V	-15° to +80°			165	429
PUR & TPE drag chain cables													
	PURÖ-JZ-HF	15	7.5 x D	3	10	10 Mio	PVC/PUR	300/500V	-20° to +80°			167	430
	PURÖ-JZ-HF-YCP	15	10 x D	3	10	10 Mio	PVC/CU/PUR	300/500V	-20° to +80°			172	436
	MULTIFLEX 512®-PUR	100	5 x D	4	10	11 Mio	PP/PUR	300/500V	-30° to +80°			169	431
	MULTIFLEX 512®-C-PUR	100	7.5 x D	4	10	11 Mio	PP/CU/PUR	300/500V	-30° to +80°			174	437
	MULTISPEED® 500-PUR	450	7.5 x D	5	50	11 Mio	PP/PUR	300/500V	-30° to +80°			171	433
	MULTISPEED® 500-C-PUR	450	7.5 x D	5	50	11 Mio	PP/CU/PUR	300/500V	-30° to +80°			176	439
	MULTISPEED® 500-TPE	450	5 x D	5	50	11 Mio	PP/TPE	300/500V	-30° to +80°			177	441
	MULTISPEED® 500-C-TPE	450	5 x D	5	50	11 Mio	PP/CU/TPE	300/500V	-30° to +80°			179	443
Bio-oil resistant and microbe-resistant drag chain cables													
	BIOFLEX 500® JZ-HF	100	10 x D	4	10	11 Mio	Poly/Poly	300/500V	-20° to +80°			181	-
	BIOFLEX 500® JZ-HF-C	100	15 x D	4	10	11 Mio	Poly/CU/Poly	300/500V	-20° to +80°			182	-
	KOMPOSPEED® JZ-HF-500	100	7.5 x D	4	10	10 Mio	Poly/Poly	300/500V	-30° to +90°			184	-
	KOMPOSPEED® JZ-HF-500-C	100	7.5 x D	4	10	10 Mio	Poly/CU/Poly	300/500V	-30° to +90°			185	-
Sensor cables													
	SUPERTRONIC®-PVC	5	5 x D	2	10	9 Mio	PVC/PVC	350V	-5° to +70°			187	445
	SUPERTRONIC®-C-PVC	5	7.5 x D	2	10	9 Mio	PVC/CU/PVC	350V	-5° to +70°			188	446
	SUPERTRONIC®-PURö	5	5 x D	3	10	9 Mio	PVC/PUR	350V	-5° to +70°			189	447
	SUPERTRONIC®-C-PURö	15	7.5 x D	4	10	9 Mio	PP/CU/PUR	350V	-30° to +70°			190	449
	SUPER-PAAR-TRONIC-C-PUR®	30	10 x D	4	50	9 Mio	PP/CU/PUR	350V	-30° to +70°			191	451
	SENSORFLEX®-H (Li12Y11Y)	30	5 x D	5	10	11 Mio	TPE/PUR	350V	-30° to +80°			192	-
	SENSORFLEX®-H (Li9Y11Y)	30	7.5 x D	5	10	11 Mio	PP/PUR	350V	-30° to +80°			192	-

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 appropriate 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.