



## Servo FRX-ST

Shielded (EMC) motor cable for drag chains 0,6/1 kV

### Specification

<b>RATED VOLTAGE U<sub>0</sub>/U</b>	0,6/1kV
<b>RATED VOLTAGE ACC TO. UL/CSA</b>	1000V
<b>CONDUCTOR CLASS</b>	Class 6 = extra fine stranded wires
<b>CONDUCTOR MATERIAL</b>	Copper
<b>CORE INSULATION</b>	Polypropylene (PP)
<b>CORE IDENTIFICATION</b>	Black with white printing ( U/L1/C/L+, V/L2, W/L3/D/L-) + Gr/yel; Signal-pair: White-black
<b>PROTECTIVE CONDUCTOR</b>	Yellow/Green
<b>SHIELD CONTROL PAIRS</b>	Tinned copperwire
<b>OVERALL SHIELD</b>	Braided tinned copper wire
<b>SHIELD COVERAGE</b>	Approx. 85%
<b>OUTER SHEATH</b>	PVC
<b>SHEAT COLOUR</b>	Orange RAL 2003
<b>BENDING RADIUS FIXED</b>	4 x cable diameter ≤ 16mm <sup>2</sup> , 5 x cable diameter at ≥ 25mm <sup>2</sup>
<b>BENDING RADIUS MOVED</b>	7,5 x cable diameter at ≤ 16mm <sup>2</sup> , 10 x cable diameter at ≥ 25mm <sup>2</sup>
<b>MIN OPERATING TEMPERATURE FIXED</b>	-40°C
<b>MAX OPERATING TEMPERATURE FIXED</b>	+90°C
<b>MIN OPERATING TEMPERATURE MOVED</b>	-5°C
<b>MAX OPERATING TEMPERATURE MOVED</b>	+90°C
<b>TESTING VOLTAGE</b>	4000V
<b>OIL RESISTANCE</b>	EN 50363-10-2, UL 1581

## Variants

E-NUMBER	DIMENSION N X MM <sup>2</sup>	MANUFACTURER SPEC	OUTER DIAMETER MM	WEIGHT KG/100M
N8340350	4G1,5	6FX5008-1BB21	8.8	13.5
N8340360	4G2,5	6FX5008-1BB21	10.3	18
N8340370	4G4	6FX5008-1BB31	12.2	25.5
N8340380	4G6	6FX5008-1BB41	14	37
N8340390	4G10	6FX5008-1BB51	18	65
N8340400	4G16	6FX5008-1BB61	22	110
N8340410	4G25	6FX5008-1BB25	26	155
N8340420	4G35	6FX5008-1BB35	30.6	200
N8340430	4G50	6FX5008-1BB50	35.2	320
N8340440	4G70	6FX5008-1BB70	41	380
N8340450	4G95	6FX5008-1BB95	46	510
N8340460	4G0,75+(2x0,5)	-	9.2	14
N8340470	4G1,5+(2x1,0)	-	10.8	20
N8340480	4G1,5+(2x1,5)	6FX5008-1BA11	11.4	24
N8340490	4G2,5+(2x1,0)	-	12.4	29
N8340500	4G2,5+(2x1,5)	6FX5008-1BA21	13.2	31
N8340510	4G4+(2x1,0)	-	13.8	38
N8340520	4G4+(2x1,5)	6FX5008-1BA31	14.6	41
N8340530	4G6+(2x1,5)	6FX5008-1BA41	16.6	51
N8340540	4G10+(2x1,5)	6FX5008-1BA51	20.8	77
N8340550	4G16+(2x1,5)	6FX5008-1BA61	23.4	11.5
N8340560	4G25+(2x1,5)	6FX5008-1BA25	27	16
N8340570	4G35+(2x1,5)	6FX5008-1BA35	31.2	19.5
N8340580	4G1,5+2x(2x0,75)	INK 650	12	23.5
N8340590	4G2,5+2x(2x1)	INK 602	14.5	32
N8340600	4G4+(2x1)+(2x1,5)	INK 603	16.2	43
N8340610	4G6+(2x1)+(2x1,5)	INK 604	18.2	57
N8340620	4G10+(2x1)+(2x1,5)	INK 605	22.4	89