

ANYCHAIN-HSCSP301 60 million times on bending.



Applications

It is suitable for indoor installation under continuous reciprocating motion, especially for frequent bending in the industrial environment, such as the standard components of modern machinery in drag chains, logistics systems, control systems, mechanical automation systems, etc. CNC machine tools, wood and stone machinery, glass and window machinery, injection molding machines, construction machinery, heavy machinery factories, automobile manufacturing, lifting and transportation equipment, automated warehouses and other occasions.

Approvals



Technical Data

Rated voltage :	Section size <math>< 0.5\text{mm}^2</math>: 300/300V
bending radius :	Section size $\geq 0.5\text{mm}^2$: 300/500V
	Fixed installation : 4xD
	Mobile installation : 6.8xD

Construction

Conductor	Multiple strands of ultra-fine 0.08 oxygen-free bare copper wire, Class 6.
Insulation:	Rohs PVC mixture material with high mechanical properties
Cores:	Cross-sectional area of less than 0.5 mm ² is colored cores in different color. $\geq 0.5\text{mm}$ black numbered white number, one of the core wires can be grounded in yellow/green (optional)
Cores structure:	Filled gaps for pair and stranded of optimized structures High conductivity tinned copper wire braided shielding, density $\geq 80\%$
Jacket material:	Highly mechanical PUR mixture for drag chain cables
Color:	Black or grey (on request)

Application Advantage

mobile application :	Laying trip: <math>< 100\text{m}</math> Acceleration: 80m/S ² Travel speed <math>< 8\text{m/S}</math>
Bending life :	50times/minute, > 60 million times

Test voltage :	2000V
Working temperature :	Fixed installation : $-30^{\circ}\text{C}+90^{\circ}\text{C}$ Mobile installation : $-15^{\circ}\text{C}+90^{\circ}\text{C}$
Standards and Certification :	Comply to CE/UL/TUV.

Type	Cores or Section	External Diameter mm	Weight kg/km
080HSCSP301040014	2×2×0.14	6.0	44.7
080HSCSP301060014	3×2×0.14	6.4	55.0
080HSCSP301080014	4×2×0.14	7.1	67.2
080HSCSP301100014	5×2×0.14	7.7	80.8
080HSCSP301120014	6×2×0.14	9.0	94.2
080HSCSP301160014	8×2×0.14	9.5	132.4
080HSCSP301200014	10×2×0.14	10.4	149.5
080HSCSP301240014	12×2×0.14	11.3	171.3

Type	Cores or Section	External Diameter mm	Weight kg/km
080HSCSP301040025	2×2×0.25	6.6	54.0
080HSCSP301060025	3×2×0.25	7.1	68.0
080HSCSP301080025	4×2×0.25	7.9	85.0
080HSCSP301100025	5×2×0.25	8.6	101.0
080HSCSP301120025	6×2×0.25	10.0	119.0
080HSCSP301160025	8×2×0.25	10.5	162.0
080HSCSP301200025	10×2×0.25	11.7	193.0
080HSCSP301240025	12×2×0.25	12.5	219.0