

Dynamic Performance



The **MotionMultiwire-SH DP series** includes the most widely shielded cables used in the wiring to control and power machine and industrial machines in general. Suitable for a pose that goes from fixed (BP version with PVC sheath) to high-end (HP version with PUR sheath), they have flexibility, reduced bending radius and chemical resistance in general. The tinned copper braid shield with a high coverage factor preserves the electromagnetic disturbance cable. The whole series is **UL / CSA and EAC approved**.



CONSTRUCTION FEATURES

Conductor	Extra Flexible Bare Copper Class 6
Insulation	Special Polypropylene
Colour Code	Black with white number + Y/G
Layup	Twisted Pairs - Levels divided by No Woven Tape
Shield	Tinned copper Wire Braid O.C ≥ 85%
Separator	Easy strip away tape
Outer Sheath	PVC Oil Resistant
Colour	Grey / RAL 7001

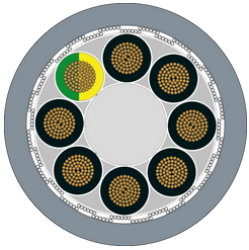
PRODUCT'S FEATURES

	Operating Voltage 0.6/1kV
	Temperature static -40 °C / +90 °C dynamic -25 °C / +90 °C
	Dielectric Strength 4.0 kV acc.to EN 50395 Part 6 - 7
	Insulation Resistance ≥ 1 GΩ x km acc.to EN 50395 Part 8
	Electrical Resistance IEC 60228 Cl.6 EN 50395 Part. 5

MECHANICAL FEATURES

	Speed 300 m/min
	Bending Radius 6.5 x Ø
	Acceleration 20 m/sec ²
	Cycles 5.000.000
	Torsion ±30°/1000 mm
	Pulling ≤ 20 N/mm ²

Eurocabos Code	MotioCables Code	Formation	Outer Diameter	Copper Weight	Weight approx. kg/km
EUR-171-0001	MDS21X02UR-G	(2x0,50)	5.9	33	49
EUR-171-0445	MDS21G03UR-G	(3G0,50)	6.2	39	57
EUR-171-0446	MDS21G04UR-G	(4G0,50)	6.6	46	65
EUR-171-0447	MDS21G05UR-G	(5G0,50)	7.1	54	77
EUR-171-0449	MDS21G07UR-G	(7G0,50)	8.3	70	106
EUR-171-0454	MDS21G12UR-G	(12G0,50)	9.7	100	148
EUR-171-0460	MDS21G18UR-G	(18G0,50)	11.7	153	211
EUR-171-0467	MDS21G25UR-G	(25G0,50)	13.7	202	298
EUR-171-0068	MDS19X02UR-G	(2x0,75)	6.3	41	57
EUR-171-0512	MDS19G03UR-G	(3G0,75)	6.6	48	66
EUR-171-0513	MDS19G04UR-G	(4G0,75)	7.1	59	79
EUR-171-0514	MDS19G05UR-G	(5G0,75)	7.7	69	99
EUR-171-0516	MDS19G07UR-G	(7G0,75)	9	90	133
EUR-171-0521	MDS19G12UR-G	(12G0,75)	10.5	129	191
EUR-171-0527	MDS19G18UR-G	(18G0,75)	12.7	205	266
EUR-171-0534	MDS19G25UR-G	(25G0,75)	14.9	271	376
EUR-171-0135	MDS17X02UR-G	(2x1,0)	6.6	46	65
EUR-171-0579	MDS17G03UR-G	(3G1,0)	6.9	57	79
EUR-171-0580	MDS17G04UR-G	(4G1,0)	7.5	70	102
EUR-171-0581	MDS17G05UR-G	(5G1,0)	8.1	81	119
EUR-171-0583	MDS17G07UR-G	(7G1,0)	9.5	110	160
EUR-171-0588	MDS17G12UR-G	(12G1,0)	11.6	182	240
EUR-171-0594	MDS17G18UR-G	(18G1,0)	13.4	254	359
EUR-171-0601	MDS17G25UR-G	(25G1,0)	16.3	365	472
EUR-171-0202	MDS15X02UR-G	(2x1,5)	7.2	58	81
EUR-171-0646	MDS15G03UR-G	(3G1,5)	7.6	75	104
EUR-171-0647	MDS15G04UR-G	(4G1,5)	8.2	91	128
EUR-171-0648	MDS15G05UR-G	(5G1,5)	8.9	112	155
EUR-171-0650	MDS15G07UR-G	(7G1,5)	11	145	211
EUR-171-0655	MDS15G12UR-G	(12G1,5)	12.9	247	318
EUR-171-0661	MDS15G18UR-G	(18G1,5)	14.9	348	476
EUR-171-0668	MDS15G25UR-G	(25G1,5)	18.2	498	646



High Performance



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Eurocabos Code	MotioCables Code	Formation	Outer Diameter	Copper Weight	Weight approx. kg/km
EUR-171-0269	MDS13X02UR-G	(2x2,5)	8.4	95	185
EUR-171-0713	MDS13G03UR-G	(3G2,5)	8.9	115	148
EUR-171-0714	MDS13G04UR-G	(4G2,5)	9.6	155	185
EUR-171-0715	MDS13G05UR-G	(5G2,5)	10.9	185	225
EUR-171-0717	MDS13G07UR-G	(7G2,5)	12.9	250	335
EUR-171-0722	MDS13G12UR-G	(12G2,5)	15.8	388	496
EUR-171-0728	MDS13G18UR-G	(18G2,5)	18.3	552	715
EUR-171-0781	PDS11G04UR-G	(4G4)	12.3	224	271
EUR-171-0782	PDS11G05UR-G	(5G4)	15.3	302	414
EUR-171-0806	PDS09G04UR-G	(4G6)	14.9	286	401
EUR-171-0818	PDS07G04UR-G	(4G10)	19.2	485	602
EUR-171-0830	PDS05G04UR-G	(4G16)	23.3	745	926
EUR-171-0837	PDS03G04UR-G	(4G25)	26.9	1089	1352
EUR-171-0844	PDS02G04UR-G	(4G35)	30.6	1540	1904

Product's Features



Oil Resistant (0-III)

EN 50363-4-1, UL 1581



Flame Resistant

IEC 60332-1-2; UL WV1; UL FT 1



Good Flexibility

EN 50289-3-9