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SENDING ALL THE RIGHT SIGNALS

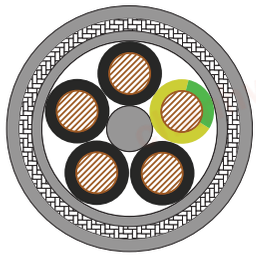
MachFlex 350 SY Cables

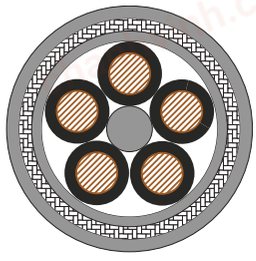
Armored (SY) PVC Control Cables

Galvanized Steel Wire Braid (GSWB) - Excellent Mechanical Protection

Applications

Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more.





General Reference Standards

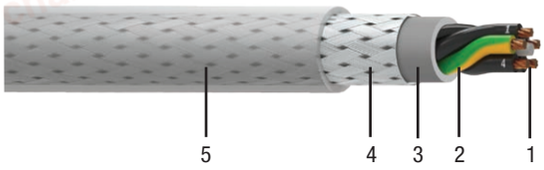
- DIN VDE 0295, IEC 60228, BS6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS & REACH & CE Directives

Construction and Performance

1.	**Conductor Material**	Stranded bare copper (DIN VDE 0295 Class 5)
2.	**Insulation Material & Color**	Insulation Material & Colour PVC (polyvinyl chloride). A) All black color with number coding = without protective conductor. B) Black color with number coding plus 1 green & yellow = with protective conductor.
3.	**Braid Shield Material**	GSWB (Galvanized Steel Wire Braid)
4.	**Jacket / Sheath Material**	PVC (polyvinyl chloride)
5.	**Flame Retardancy**	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
6.	**Voltage Rating (Uo/U)**	300 / 500 V
7.	**Oil Resistant**	DIN EN 50290-2-22 (TM54)
8.	**Temperature Range**	-30 °C TO +70 °C (Occasional movement) -40 °C TO +80 °C (Fixed installation)
9.	**Bending Radius**	20 x OD (Occasional movement) 6 x OD (Fixed installation)
10.	**Other Properties**	Good UV resistance, chemical resistance & flexibility

MachFlex 350 SY Armored (SY) PVC Control Cables

GALVANIZED STEEL WIRE BRAID SHIELD (GSWB) CABLE WITH (G) PROTECTIVE GROUND



1 = Conductor
2 = Insulation
3 = Inner Sheath
4 = Galvanized Steel Wire Braid Shield
5 = Outer Sheath

Conductor 0.50 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	7.5	14.40	3GASY	3G0.5SY
4	8.0	19.20	4GASY	4G0.5SY
5	8.5	24.00	5GASY	5G0.5SY
7	9.1	33.60	7GASY	7G0.5SY
12	11.4	58.00	12GASY	12G0.5SY
20	13.9	96.70	20GASY	20G0.5SY

Conductor 0.75 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	8.0	21.60	3GBSY	3G0.75SY
4	8.6	28.80	4GBSY	4G0.75SY
5	9.2	36.00	5GBSY	5G0.75SY
7	9.9	50.00	7GBSY	7G0.75SY
12	12.4	86.00	12GBSY	12G0.75SY
20	15.2	143.30	20GBSY	20G0.75SY

Conductor 1.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	8.4	28.80	3GCSY	3G1.0SY
4	9.1	38.40	4GCSY	4G1.0SY
5	9.8	48.00	5GCSY	5G1.0SY
7	10.5	67.00	7GCSY	7G1.0SY
12	13.3	115.00	12GCSY	12G1.0SY
20	16.3	192.00	20GCSY	20G1.0SY

Conductor 1.50 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	9.0	43.00	3GDSY	3G1.5SY
4	9.7	58.00	4GDSY	4G1.5SY
5	10.5	72.00	5GDSY	5G1.5SY
7	11.3	101.00	7GDSY	7G1.5SY
12	14.6	173.00	12GDSY	12G1.5SY
20	17.7	288.30	20GDSY	20G1.5SY

Conductor 2.50 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	11.0	72.00	3GESY	3G2.5SY
4	11.9	96.00	4GESY	4G2.5SY
5	12.9	120.00	5GESY	5G2.5SY
7	14.2	168.00	7GESY	7G2.5SY
12	18.4	288.00	12GESY	12G2.5SY
20	22.6	480.00	20GESY	20G2.5SY

Conductor 4.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	12.6	115.00	3GFSY	3G4SY
4	13.9	154.00	4GFSY	4G4SY
5	15.1	192.00	5GFSY	5G4SY
7	16.4	269.00	7GFSY	7G4SY
9	19.9	345.90	9GFSY	9G4SY
12	21.5	461.00	12GFSY	12G4SY

Conductor 6.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	14.9	172.80	3GGSY	3G6SY
4	16.2	230.00	4GGSY	4G6SY
5	17.7	288.00	5GGSY	5G6SY
7	19.3	403.00	7GGSY	7G6SY
9	23.5	518.10	9GGSY	9G6SY

Conductor 10.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	18.0	288.00	3GHSY	3G10SY
4	19.8	384.00	4GHSY	4G10SY
5	21.7	480.00	5GHSY	5G10SY
7	23.7	672.00	7GHSY	7G10SY
9	29.1	864.00	9GHSY	9G10SY

Conductor 16.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	21.4	460.50	3GISY	3G16SY
4	23.6	614.00	4GISY	4G16SY
5	26.1	768.00	5GISY	5G16SY
7	28.4	1,075.00	7GISY	7G16SY

Conductor 25.00 mm²

No. of Cores	Nom. Overall Diameter (mm)	Copper Weight (kg/km)	EMEA Part Code	APAC Part Code
3	25.9	720.00	3GJSY	3G25SY
4	28.6	960.00	4GJSY	4G25SY
5	31.2	1,200.00	5GJSY	5G25SY
7	33.9	1,680.00	7GJSY	7G25SY

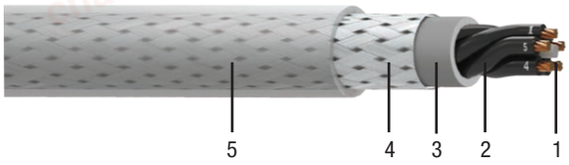
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